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S3	1251778	INTEGRAT? OR WITHIN OR INSIDE OR CONTAINED OR CONTAINING OR CONTAINS OR COMPOSED OR MAKEUP OR BLEND? OR EMBEDD? OR INCORPORAT?
S4	1403067	QUESTION? ? OR QUERY OR QUERIES OR ASK? OR REQUEST? OR INQUIR? OR INTERROGAT?
S5	548226	INTERNET OR WWW OR WEB OR LAN OR WAN OR ELECTRONIC OR NET - OR INTRANET OR ETHERNET OR EXTRANET OR ONLINE OR CYBER OR VIRTUAL? OR DIGITAL?
S6	63	(S1 OR S2) (S) (S3(5N)S4) AND S5
S7	10	S6 AND IC=(G06F-017/30 OR G06F-007/00 OR G06F-000/00 OR G06F-001/00)
S8	368	(S1 OR S2) (S) ((S3(5N)S4) AND S5) NOT S7
S9	1	((S1 OR S2) (10N) (S3(5N)S4)) AND S5 NOT S7
S10	117	(S1 OR S2) (10N) ((S3(5N)S4) AND S5) NOT (S7 OR S9)
S11	1	(S1 OR S2) (10N) ((S3(5N)S4) (S)S5) NOT (S7 OR S9)
S12	115	((S1 OR S2) (5N)S3) (S)S5) NOT (S7 OR S9 OR S11)
S13	0	((S1 OR S2) (5N)S3) (S)S5) NOT (S7 OR S9 OR S11)
S14	228979	USER()INTERFACE? OR SOFTWARE? OR ROUTINE? ? OR COMPONENTWARE? OR LINKER? OR GUI OR (GRAPHIC? OR TEXT) (2N) (DISPLAY OR MANIFEST? OR DEPICT? OR SHOW? ?)
S15	30	(S1 OR S2) (10N) (S3(5N)S14)
S16	355	(S1 OR S2) AND (S3(5N)S4) AND (S5(5N)S14)
S17	38	(S1 OR S2) (S) (S3(5N)S4) AND (S5(5N)S14)
S18	30	S17 NOT (S7 OR S9 OR S11 OR S15)
S19	21	(S1 OR S2) (S) (S3(5N)S14) AND (S5(5N)S4) NOT (S7 OR S9 OR S11 OR S15 OR S18)
S20	47	((S1 OR S2) (S) (S4(5N)S14) AND S3 AND S5) NOT (S7 OR S9 OR S11 OR S15 OR S18 OR S19)
S21	33	((S1 OR S2) (5N)S3) AND (S4(5N)S14) AND S5) NOT (S7 OR S9 OR S11 OR S15 OR S18 OR S19 OR S20)

7/TI,PR/1 (Item 1 from file: 349)  
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**METHOD AND APPARATUS FOR ANALYZING MANUFACTURING DATA  
PROCEDE ET APPAREIL D'ANALYSE DE DONNEES DE FABRICATION**

Priority Application: US 2001308125 20010730; US 2001308124 20010730; US  
2001308123 20010730; US 2001308122 20010730; US 2001308121 20010730; US  
2001310632 20010803; US 2001309787 20010806

7/TI,PR/2 (Item 2 from file: 349)  
DIALOG(R)File 349:(c) 2003 WIPO/Univentio. All rts. reserv.

**SIMULTANEOUS INTELLECTUAL PROPERTY SEARCH AND VALUATION SYSTEM AND  
METHODOLOGY (SIPS-VSM)  
RECHERCHE SIMULTANEE EN PROPRIETE INTELLECTUELLE ET SYSTEME ET METHODOLOGIE  
D'EVALUATION (SIPS-VSM)**

Priority Application: US 2001896238 20010629

7/TI,PR/3 (Item 3 from file: 349)  
DIALOG(R)File 349:(c) 2003 WIPO/Univentio. All rts. reserv.

**KNOWLEDGE PATTERN INTEGRATION SYSTEM  
SYSTEME D'INTEGRATION DE MODELES DE CONNAISSANCES**

Priority Application: US 2000242098 20001020; US 2001764724 20010118

7/TI,PR/4 (Item 4 from file: 349)  
DIALOG(R)File 349:(c) 2003 WIPO/Univentio. All rts. reserv.

**MOLECULAR DATABASE FOR ANTIBODY CHARACTERIZATION  
BASE DE DONNEES MOLECULAIRE POUR LA CARACTERISATION D'ANTICORPS**

Priority Application: US 2000193353 20000328

7/TI,PR/5 (Item 5 from file: 349)  
DIALOG(R)File 349:(c) 2003 WIPO/Univentio. All rts. reserv.

**SYSTEM FOR PROVIDING DYNAMIC DATA INFORMED CONSENT TO PROVIDE DATA PRIVACY  
AND SECURITY IN DATABASE SYSTEMS AND IN NETWORKED COMMUNICATIONS  
SYSTEME BASE SUR UN CONSENTEMENT INFORME DYNAMIQUE DE DONNEES ASSURANT LA  
CONFIDENTIALITE DES DONNEES ET LA SECURITE DANS LES SYSTEMES DE BASE DE  
DONNEES ET DANS LES COMMUNICATIONS SUR RESEAU.**

Priority Application: US 99430331 19991029

7/TI,PR/6 (Item 6 from file: 349)  
DIALOG(R)File 349:(c) 2003 WIPO/Univentio. All rts. reserv.

**INFORMATION ACCESS  
ACCES A UNE INFORMATION**

Priority Application: EP 99308748 19991103

7/TI,PR/7 (Item 7 from file: 349)  
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**A SYSTEM, METHOD AND ARTICLE OF MANUFACTURE FOR AN E-COMMERCE BASED  
ARCHITECTURE  
SYSTEME, PROCEDE ET ARTICLE DE PRODUCTION POUR UNE ARCHITECTURE BASEE SUR  
LE COMMERCE ELECTRONIQUE**

Priority Application: US 99364734 19990730

7/TI,PR/8 (Item 8 from file: 349)

DIALOG(R)File 349:(c) 2003 WIPO/Univentio. All rts. reserv.

KNOWLEDGE MANAGEMENT SYSTEM FOR PERFORMING DYNAMIC DISTRIBUTED PROBLEM SOLVING

SYSTEME DE GESTION DE CONNAISSANCES DESTINE A UNE RESOLUTION REPARTIE ET DYNAMIQUE DE PROBLEMES

Priority Application: US 99357785 19990721

7/TI,PR/9 (Item 9 from file: 349)

DIALOG(R)File 349:(c) 2003 WIPO/Univentio. All rts. reserv.

SYSTEM AND METHOD FOR DOCUMENT MANAGEMENT BASED ON A PLURALITY OF KNOWLEDGE TAXONOMIES

SYSTEME ET PROCEDE DE GESTION DE DOCUMENTS BASES SUR PLUSIEURS TAXONOMIES DES CONNAISSANCES

Priority Application: US 99139509 19990615

7/TI,PR/10 (Item 10 from file: 349)

DIALOG(R)File 349:(c) 2003 WIPO/Univentio. All rts. reserv.

A COMPUTER-IMPLEMENTED PROJECT KNOWLEDGE MANAGEMENT FACILITY

SYSTEME INFORMATIQUE DE GESTION DES CONNAISSANCES RELATIVES A UN PROJET

Priority Application: US 98107036 19981103; US 99118709 19990205

7/3,K/3 (Item 3 from file: 349)  
DIALOG(R) File 349:PCT FULLTEXT  
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00901325 \*\*Image available\*\*

**KNOWLEDGE PATTERN INTEGRATION SYSTEM**  
**SYSTEME D'INTEGRATION DE MODELES DE CONNAISSANCES**

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Patent and Priority Information (Country, Number, Date):

Patent: WO 200235392 A2 20020502 (WO 0235392)

Application: WO 2001US32483 20011022 (PCT/WO US0132483)

Priority Application: US 2000242098 20001020; US 2001764724 20010118

Designated States: AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CO CR CU

CZ DE DK DM DZ EC EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP

KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ PL PT RO RU SD

SE SG SI SK SL TJ TM TR TT TZ UA UG US UZ VN YU ZA ZW

(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE TR

(OA) BF BJ CF CG CI CM GA GN GQ GW ML MR NE SN TD TG

(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZW

(EA) AM AZ BY KG KZ MD RU TJ TM

Publication Language: English

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Fulltext Word Count: 5618

Main International Patent Class: G06F-017/30

Fulltext Availability:

Detailed Description

Detailed Description

... enable pattern query and integration is shown in Figure 4.

This particular example demonstrates a **web**-based architecture, but it could also apply to client-server or stand-alone application architectures. A user's pattern integration task is captured by the **web** server and passed on to the application server by activating a servlet. The servlet passes...

...to the pattern integration engine that produces the integrated patterns using appropriate algorithms. Finally, the **web** server reports the integrated patterns back to the client.

To illustrate the action of the...formats of the different databases.

To expedite the data analysis and decision making process, an **automated pattern discovery** template is set up for unsupervised execution against the available databases in regular intervals. The...

...from these analyses are annotated and stored in the pattern repository. The user then executes **integration query requests** against all available patterns that have resulted from the analyses. Under the Explanatory category of...

7/3,K/8 (Item 8 from file: 349)  
DIALOG(R) File 349:PCT FULLTEXT  
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00774505      \*\*Image available\*\*

**KNOWLEDGE MANAGEMENT SYSTEM FOR PERFORMING DYNAMIC DISTRIBUTED PROBLEM SOLVING**

**SYSTEME DE GESTION DE CONNAISSANCES DESTINE A UNE RESOLUTION REPARTIE ET DYNAMIQUE DE PROBLEMES**

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**Patent and Priority Information (Country, Number, Date):**

Patent: WO 200108051 A1 20010201 (WO 0108051)

Application: WO 2000US19636 20000719 (PCT/WO US0019636)

Priority Application: US 99357785 19990721

Designated States: AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES  
FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU  
LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA  
UG US UZ VN YU ZW

(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE

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Publication Language: English

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Fulltext Word Count: 9502

Main International Patent Class: G06F-017/30

Fulltext Availability:

Detailed Description  
Claims

**Detailed Description**

... a conventional knowledge base, a data base, a simulation, a software routine, a world wide web site, a real-time data stream (e.g., a sensor), a computational resource (e.g...a query from a meta agent 119 to all the knowledge agents 121 in the knowledge management system 100. The query content is generated from the solution plan developed by the meta...

...for use at appropriate points during inference execution. If the dynamic scheme is used, the query occurs during inference execution and contains instance values. The knowledge agents 121 that respond immediately execute the procedures they believe to...this example, the graphical user interface ("GLTI") 703 of the disclosed system 700 includes a web browser to provide the user with access to the system 700 via the Internet or other wide area network. The user interacts with the GUI 703 to formulate a...the knowledge management system 100 may be interconnected via available network services, such as the Internet, with other, similar systems to form a large scale, global system. The layered architecture of...

**Claim**

... from a group comprising: a knowledge-based system; a simulation; a database- a world wide web site; a real-time data stream; a computational resource; an interactive system; a data processing...

7/3,K/9      (Item 9 from file: 349)

00764264 \*\*Image available\*\*

**SYSTEM AND METHOD FOR DOCUMENT MANAGEMENT BASED ON A PLURALITY OF KNOWLEDGE TAXONOMIES**

**SYSTEME ET PROCEDE DE GESTION DE DOCUMENTS BASES SUR PLUSIEURS TAXONOMIES DES CONNAISSANCES**

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Patent and Priority Information (Country, Number, Date):

Patent: WO 200077690 A1 20001221 (WO 0077690)  
Application: WO 2000US16444 20000615 (PCT/WO US0016444)  
Priority Application: US 99139509 19990615

Designated States: AE AG AL AM AT AU AZ BA BB BG BR BY CA CH CN CR CU CZ DE

DK DM DZ EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC  
LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ PL PT RO RU SD SE SG SI  
SK SL TJ TM TR TT TZ UA UG UZ VN YU ZA ZW

(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE

(OA) BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG

(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZW

(EA) AM AZ BY KG KZ MD RU TJ TM

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Fulltext Word Count: 31064

Main International Patent Class: G06F-017/30

Fulltext Availability:

Claims

Claim

... incorporated by

reference in this application:

U.S. Provisional Application No. 60/139,509, entitled " **Knowledge Management** Software System," bearing attorney docket no. 07569 00000.

Field of the Invention

This invention relates...

...decide to purchase in the future. In most cases, the answer to the customer's **question** exists somewhere **within** the enterprise. In other cases, the answer may have existed in the enterprise at one...

...One solution to this problem has been to replace the customer service representative with a **Web** site of product-unique or vendor-unique reference material. Whenever the customer has a question, he/she is referred to the **Web** site for the answer. Another possible approach is for the vendor to maintain an email...

...the quality of the customer's interaction and dehumanize the entire process. Some enterprises employ **Web** search engines in an effort to provide reliable access to relevant information in the enterprise (e.g.,

on a company's computer network). Unfortunately, because these **web** search engines check for particular textual content without the advantage of context or domain knowledge...system (generically, an "e-service portal") and method for the delivery of information resources including **electronic** content (documents, **online** communities, software applications, etc.) and physical sources (experts within the company, other customers, etc.) to...

...computer. The machines used for performing the operation of the present invention include general purpose **digital** computers or other similar computing devices. In addition, it should be understood that the programs ...used for different kinds of content and resources. Knowledge containers 20 can represent both rich **electronic** content (such as documents, answers to questions, marketing materials, etc.) and other physical and **electronic** resources (such as experts, customers, **online** communities of interest, software applications, etc.) The system uses a standard object-oriented inheritance model...

...provider, e-resource and product knowledge containers.

Knowledge Container Document

Type

Represents Some kind of **electronic** content, typically with a text component. Usage Represents documents, their content and their metadata. Knowledge...

...to a Knowledge Consumer Knowledge container.

Knowledge Container E-Resource

Type

Represents Some kind of **electronic** resource

Usage Holds a description of and a link to an **electronic** resource, such as an **online** community of interest, a transactional **web** page, an application, a search engine, or any other addressable resource (e.g. addressable by...the appropriate content elements can be displayed. The knowledge container 20 additionally contains the original **electronic** form of the original content 80 (perhaps a Microsoft Word document, a PDF file, an...

...or multimedia content of a knowledge container, for example a slide presentation or a graphical **web** page. In addition to displaying knowledge containers 20, the present system is also capable of...closely-with a score over a predetermined threshold-are pushed to customers on their personal **web** pages, through email, or via email to other channels. As stated earlier, knowledge containers are...variety of other forms. As an example, a website providing customer service could contain different **web** pages that allow users to ask service questions about different product lines. For instance, one...

...through integration with a customer database, a customer relationship management (CRM) system, or other external **online** repositories. The next step in the autocontextualization process is to markup the content structure (step...ESP. A value of this process is in reducing the cost of bringing an ESP **online**, while simultaneously improving the quality of operation. The input into the knowledge map generation mechanism...

...is language 5 independent. That is, so long as the documents can be converted into **electronic** text, the process is also independent of document format and type. The second input into...application screen, can create an implicit profiling which drives the retrieval. For example, a particular **web** page or email address from which or to which a question is entered into the...twork and pi%,w inv,,Im. BUYI)HU,CT.COM an h, f,,mbn the **Web** at ira@d to help shape thi, ithm, ,no am retail powc NOM The wl...1.37 industry-wide testing

1.37 industrywide testing

1.33 discount brokerage

1.32 **online** brokerage

1.30 Ameritrade Holding Corporation

1.27 Wall Street

1.26 **online** broker

1.25 external resource  
1.21 securities firm  
1.19 IT staff  
1.16...

...than minimum documentation to the extent that such documents are included in the fields searched **Electronic** data base consulted during the international search (name of data base and, where practical, search ...line 29

X WEN-SYAN LI ET AL: "PowerBookmarks: a 19-219 system for personalizable **Web** information 23,279 organization, sharing, and management" 299339 PROCEEDINGS OF THE ACM SIGMOD 41-43...

7/3,K/10 (Item 10 from file: 349)  
DIALOG(R) File 349:PCT FULLTEXT  
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00563449

**A COMPUTER-IMPLEMENTED PROJECT KNOWLEDGE MANAGEMENT FACILITY  
SYSTEME INFORMATIQUE DE GESTION DES CONNAISSANCES RELATIVES A UN PROJET**

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Application: WO 99US25948 19991103 (PCT/WO US9925948)  
Priority Application: US 98107036 19981103; US 99118709 19990205

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DM EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR  
LS LT LU LV MA MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ  
TM TR TT TZ UA UG US UZ VN YU ZA ZW GH GM KE LS MW SD SL SZ TZ UG ZW AM  
AZ BY KG KZ MD RU TJ TM AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL  
PT SE BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG

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Main International Patent Class: **G06F-017/30**

Fulltext Availability:

Detailed Description  
Claims

**English Abstract**

A method of creating a mode-driven **virtual** community (10) having at least one objective (12) includes accessing a collection of templates that constitute partial descriptions of respective elements of the **virtual** community. The collection of templates are instantiated to generate the elements of the **virtual** community. The elements of the **virtual** community specifying structural and behavioral constructs of a model (22) according to which the **virtual** community is structured. The instantiating of the collection of templates may be performed utilizing a decision framework (34) constructed utilizing input derived from participants (26) within an earlier **virtual** community instantiated utilizing the collection of templates. In an alternative embodiment, instantiating of the collection...

**Detailed Description**

... an aspect of the invention there is provided a method of creating a model-driven **virtual** community having at least one

objective. The method includes accessing a collection of templates that constitute partial descriptions of respective elements of the **virtual** community and instantiating the collection of templates to generate the elements of the **virtual** community, the elements of the **virtual** community specifying structural and behavioral constructs of a model according to which the **virtual** community is structured and operated to progress towards achievement of the at least one objective...

...be performed

utilizing a decision framework constructed utilizing input derived from participants within an earlier **virtual** community instantiated utilizing the collection of templates. In an alternative embodiment, instantiating of the collection...

...only partially

instantiated to generate a community template,, the community template being included within the **virtual** community.

The collection of templates may include a grouping template that holds first and second...

...first and second templates is coordinated to generate corresponding first and second elements of the **virtual** community. The use of first and second elements within the **virtual** community may furthermore the coordinated.

A purpose element of the **virtual** community that defines a reason for the existence of the **virtual** community may be instantiated.

An objective element of the **virtual** community that defines an objective of the **virtual** community may be instantiated in a further embodiment.

A measure element that facilitates measurement of progress of the **virtual** community toward achieving the objective defined by the objective element may be instantiated in a...

...A role element that defines responsibilities and access privileges of a community role within the **virtual** community may be instantiated in an even further embodiment.

A conversation ...only the primary interaction channel.

A glossary element that specifies a shared vocabulary of the **virtual**  
3  
community may, in one embodiment, also be instantiated.

A setting element that defines a...

...specifying an ordered

sequence of access to multiple settings according to event occurrences within

the **virtual** community. The knowledge flow map element may also define a control flow specifying an ordered...

...based naming for participants within the setting.

A conversation element that facilitates communications within the **virtual** community outside the setting defined by the at least one setting element may optionally also...

...aspect of the present invention there is provided

a system for creating a model-driven **virtual** community having at least one

4

objective. The system includes a collection of templates that constitute partial

descriptions of respective elements of the **virtual** community and an

instantiation mechanism to facilitate instantiation of the collection of templates to generate the elements of the **virtual** community, the elements of the **virtual** community specifying structural and behavioral constructs of a model according to which the **virtual** community is structured and operated to progress towards achievement of the at least one objective...

...a flow chart illustrating an exemplary method by which an application server may handle a **request** received from a client module within a network-based project **knowledge management** system.

Figure 8 is a flow chart illustrating an exemplary method by which an application server may construct a response to a client **request** within a network-based project **knowledge management** system.

6

Figure 9 illustrates an exemplary response pattern in the form of an XML...

...a client module processes a request received from an application server responsive to a client **request** within a network-based project **knowledge management** system.

Figure 11 is a block diagram illustrating the structure of an exemplary setting object...based communication system, in one exemplary embodiment of the present invention, provides a number of **virtual** contexts (or settings) within which the communication and interaction occur, defines participants for the communications...

...information among the contexts. Accordingly, a "project community" may be viewed as a model-driven **virtual** community designed to support team communications, management and accountability of commitments, and learning. The user...project element. Settings defined by a setting project element 22 may be "locations" of the **virtual** community within which team members can access and share information, participate in shared applications, communicate...

...with respect to the achieving of certain objectives. Settings may also be locations of the **virtual** community in which team members may congregate for the purpose of social interaction. Examples of...an historical record of prior use of the project model in other project communities.

The **virtual** project community 10 also includes a decision framework element 34 that provides a specific description...possibly to a threaded list of commentaries) accessible from outside the community (for example, a **Web** page).

Access. A list of roles that give access permissions to this element. A role...relevant information either within the project community or accessible from external sources, such as a **Web** site.

30

Templates. The name and associated project elements 66 or templates 64, defined in...namespace for a setting to allow access both to external documents (for example, via the **Web**) and to internal project elements 66 stored in the project community persistent store. Expression of...Protocol (1-TTP) 108 via a network (not shown) such as a Local Area Network (**LAN**), a Wide Area Network (**WAN**) or the **Internet**. In

the situation where the client modules 102 access the servers 104 and 106 over the **Internet**, a **web** server (not shown) may front the application and replay servers 104 and 106, or the application server itself may provide the standard function of a **web** server. In the exemplary embodiment of the present invention, the client modules 102 may exchange...

...104 on a periodic basis.

The client module 102 may itself be a commercially available **web** browser, a Java enabled browser, or a browser written in some other computer programming language...handler class is designated as the "default" class at step 211, which provides a classic **web** server. A determination is then made at decision box 213 whether the internal representation is...

...a default directory to get a specified file, and to look up the Multi-purpose **Internet** Mail Extension (MIME) for the specified file. At step 219, the response to the received...to meeting a well-defined purpose.

Project community A software system that runs on the **Internet** and supports team members in understanding and carrying out the work ate to accomplishing specified...clients  
S Coordinate public relations efforts  
9 Coordinate submissions for awards and reviews  
13 Manage **Web** presence  
Qualifications Customer-oriented graphic designer  
Active-Member Greg Whomever is currently taking charge of...

...hardware systems  
9 Troubleshoot all systems  
13 Maintain communication access, such as phones, email, and **web**  
8 Organize unused equipment  
9 Keep track of upgrades  
9 Inform management of the most...WebSite an R-Script to the company website  
Competitors a List of <R-Script> to **web** sites of competitors  
Action Collections  
Processes no process needed except perhaps a standard conversation but...

...Budget an R-Script to a spreadsheetforfacilities tndiget  
WebSite an R-Script to the company **web** site; or application to maintain **web** site  
Processes no process needed except perhaps a standard conversation Init we can do  
this...to meeting a well-defined purpose.

Project community A software system that runs on the **Internet** and supports team members in understanding and carrying out the work appropriate to accomplishing specified...as designing navigation systems or user-interfaces. This role is also responsible for archiving the **electronic** files associated with each project on which they worked.  
RoleType Single  
Responsibilities f3 Translate ideas...Roles, Topics  
Outcomes Assignments  
Steps None  
Applications No special steps needed unless we put in **online** documentation.

We expect to see some standard aspects of a process here, which might be

...allow creation of task categories; not available right now  
Form-Task an Action-Script ftist online doc to say itse the Apply pages  
Resource- a List of <Resource> Assignments  
Key-Dates...to meeting a well-defined purpose.

Project community A software system that runs on the Internet and supports team members in understanding and carrying out the work  
. te to accomplishing specified...

#### Claim

1 A method of creating a model-driven virtual community having at least one objective, the method including:  
accessing a collection of templates that constitute partial descriptions of respective elements of the virtual community; and  
instantiating the collection of templates to generate the elements of the virtual community, the elements of the virtual community specifying structural and behavioral constructs of a model according to which the virtual community is structured and operated to progress towards achievement of the at least one objective...

...is performed utilizing a decision framework constructed utilizing input derived from participants within an earlier virtual community instantiated utilizing the collection of templates.

3 The method of claim 1 wherein the...

...partially instantiating a further template that constitutes a partial description of an element of the virtual community to generate a community template, the community template being included within the virtual community.

13 The method of claim 1 wherein the collection of templates includes a grouping...

...first and second templates is coordinated to generate corresponding first and second elements of the virtual community

14 The method of claim 13 wherein the use of the first and second elements within the virtual community is coordinated.

15 The method of claim 1 including instantiating a purpose element of the virtual community that defines a reason for the existence of the virtual community

16 The method of claim 1 including instantiating an objective element of the virtual community that defines an objective of the virtual community.

17 The method of claim 16 including instantiating a measure element that facilitates measurement of progress of the virtual community toward achieving the objective defined by the objective element.

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. The method of claim...

...a role element that defines responsibilities and access privileges of a community role within the virtual community.

19 The method of claim 18 including instantiating a conversation element that defines a...

...of claim 1 including instantiating a glossary element that specifies a shared vocabulary of the **virtual** community.

22 The method of claim 16 including instantiating at least one setting element that...

...specifying an ordered sequence of access to multiple settings according to event occurrences within the **virtual** community.

30 The method of claim 26 wherein the knowledge flow map element defines a a conversation element that facilitates communications within the **virtual** community outside the setting defined by the at least one setting element.

33 The method...

...a description of interactions within the setting.

34 A system for creating a model-driven **virtual** community having at least one objective, the system including:  
a collection templates that constitute partial descriptions of respective elements of the **virtual** community; and

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PAGES

137 - 140

NOT FURNISHED UPON FILING

9/3,K/1 (Item 1 from file: 349)  
DIALOG(R) File 349:PCT FULLTEXT  
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00950361 \*\*Image available\*\*

**USER-SIDE TRACKING OF MULTIMEDIA APPLICATION USAGE WITHIN A WEB PAGE**  
**SUIVI COTE UTILISATEUR DE L'UTILISATION D'APPLICATIONS MULTIMEDIA DANS UNE**  
**PAGE WEB**

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Patent and Priority Information (Country, Number, Date):

Patent: WO 200284507 A1 20021024 (WO 0284507)

Application: WO 2002US12045 20020415 (PCT/WO US0212045)

Priority Application: US 2001283858 20010413

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CZ DE DK DM DZ EC EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP  
KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ OM PH PL PT RO  
RU SD SE SG SI SK SL TJ TM TN TR TT TZ UA UG UZ VN YU ZA ZM ZW  
(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE TR  
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Fulltext Word Count: 4002

**USER-SIDE TRACKING OF MULTIMEDIA APPLICATION USAGE WITHIN A WEB PAGE**  
**SUIVI COTE UTILISATEUR DE L'UTILISATION D'APPLICATIONS MULTIMEDIA DANS UNE**  
**PAGE WEB**

Fulltext Availability:

Detailed Description

Claims

**English Abstract**

The operation of multimedia applications (30), such as Macromedia's  
Flash, embedded within a **web** page (26) and downloaded by a visitor  
computer is tracked by using data mining code...

...the multimedia application, or by such code in conjunction with an  
interface (28) within the **web** page (26). Each operation of the **web**  
page (26) triggers a URL page request to a data tracking server (24) that  
is...

...a wide area network to the visitor computer and to the server from which  
the **web** page is downloaded. An example of such a trigger is a getURL  
command which, when...

...multimedia functions used within the multimedia application, pages  
viewed, scenes viewed, etc. The URL page **request** includes **within** the  
**request** data that is compiled by the **data mining** code at the visitor  
computer and arranged so that the raw data can be reconstituted at the  
data tracking server and compiled into reports accessible to the **web**  
page operator.

**French Abstract**

L'utilisation d'applications multimedia (30), telles que Macromedia's  
Flash, incorporees a une page **web** (26) et telechargees par un  
ordinateur visiteur est suivie a l'aide d'un code...

...tel code conjointement avec une interface (28) se trouvant a l'interieur

de la page web (26). Chaque utilisation de la page web (26) declenche une demande de page URL a l'attention d'un serveur de suivi...  
...de grande envergure, a l'ordinateur visiteur et au serveur a partir duquel la page web est telechargee. Un exemple d'un tel element declenchant est une instruction <= getURL >= qui, lorsqu...  
...de donnees et compilees pour constituer des rapports accessibles a l'operateur de la page web .

#### Detailed Description

##### USER-SIDE TRACKING OF MULTIMEDIA APPLICATION USAGE

##### WITHIN A WEB PAGE

##### BACKGROUND OF THE INVENTION

The present application relates to compiling and reporting data associated...

...network server and more particularly to compiling and reporting data associated with the viewing of web page content over the worldwide web

Programs for analyzing traffic on a network server, such as a worldwide web server, are known in the art. One such prior art program is described in commonly a Web Server, which is incorporated herein by reference for all purposes. In these prior art systems, the program typically runs on the web server that is being monitored. Data is compiled, and reports are generated on demand-or are delivered from time to time via email-to display information about web server activity, such as the most popular page by number of visits, peak hours of website activity, most popular entry page, etc.

Analyzing activity on a worldwide web server from a different location on a global computer network (" Internet ") is also known in the art. To do so, a provider of remote web -site activity analysis ("service provider") generates JavaScript code that is distributed to each subscriber to the service. The subscriber copies the code into each web -site page that is to be monitored. When a visitor to the subscriber's web site loads one of the web -site pages into his or her computer, the JavaScript code collects information, including time of...

...The code then calls a server operated by the service provider-also located on the Internet -and transmits the collected information thereto as a URL parameter value. Information ...includes a set of tables that summarize, in real time, activity on the customer's web site.

Modem web site traffic analysis tools have been useful for tracking page-topage navigation, e.g. where...

...clicks a link to transition to another page. Each click of a link causes the web browser to send a request over the Internet for the new web page, which is then downloaded from the web page server storing the web page and loaded within the browser running on the visitor's computer. The operation of conventional browsers such as Microsoft's Internet Explorer and Netscape Navigator are well known in the art. The active JavaScript within these...

...reports back information every time a new page is loaded into the visitor computer's web browser.

Recently, applications such as Flash from Macromedia, Inc. have been developed to run within web pages. These applications include their own navigation tools and have multiple viewable pages that operate within a single web page. An entire Flash-based presentation might therefore exist only on at single web page address where the user "browses" within the flash presentation. Clicks within the flash presentation do not result in requests being sent back to the web page server since the entire presentation is already downloaded to the visitor computer. Because a...

...is no longer operating with page-to-page navigation when viewing a flash presentation, modem web page tracking tools have been unable to track browsing within these type of applications.

Accordingly...the accompanying drawings.

FIG. 1 is a highly schematic view of a portion of the Internet implementing the present invention.

FIGs. 2 and 3 are representative pages of a multimedia presentation... present invention.

FIG. 6 is a high-level block diagram illustrating the operation of a web page with a tracking reporting server according to a preferred embodiment of the invention...

...1, indicated generally at 10 is a highly schematic view of a portion of the Internet implementing the present invention. Included thereon is a worldwide web server 12. Server 12, in the present example, is operated by a business that sells...server 12. As also mentioned above, it is known to obtain this understanding by analyzing web-server log files at the server that supports the selling web site. It is also known in the art to collect data over the Internet and generate activity reports at a remote server.

When the owner of server 12 first...

...generate such reports, he or she uses a computer 16, which is equipped with a web browser, to visit a web server 18 operated by the service provider. On server 18, the subscriber opens an account...of code, typically JavaScript code. The subscriber simply copies and pastes this code onto each web page maintained on server 12 for which monitoring is desired. When a visitor from computer 14 (client node) loads one of the web pages having the embedded code therein, the code passes predetermined information from computer 14 to a server 20-also operated by the service provider-via the Internet. This information includes, e.g., the page viewed, the time of the view, the ...time information io about the activity at server 12.

The above-described arrangement for monitoring web server activity by a service provider over the Internet is generally known in the art. Information analyzed in prior art systems generally consists of...on a visitor's computer 14. If page loads are taking too long, then a web site operator can redesign the page to load faster and/or add new web page server equipment to make the site more responsive to user requests. Modern web browsers such as Internet Explorer (IE) and Netscape Navigator operate to send for, retrieve and load web pages. A common method for implementing web pages is to use html or JavaScript code, which is interpreted by the web browser and implemented on the computer requesting the web page and including the web browser program. A common feature of modern web browsers is the use of events to trigger or "fire" operations called an "Event Handler". For example, moving a mouse cursor over a predefined hotspot or button on a web page can trigger a "mouseover" event. The triggering of such an event can be used...a central server which can record customer-defined information. Internetcapable applications are defined as (1) Web browsers, (2) WAP and Palm Devices, and (3) Windows or other operating system applications.

What...of application activity through the use of HTTP requests to the reporting servers. Any application, web or Windows-based (non-OS specific) that can take advantage of the HTTP protocol is...

...reporting servers.

The technology used to gather and report information of visitors to a

particular web page is fairly well known. A customer (user of the service and operator of the web pages being tracked) pastes JavaScript code into the html code of each of the web pages they desire to have tracked. The pasted JavaScript code is then downloaded with the web page and runs on the browser of the visitor's computer to carry out data gathering and reporting services. Modern web pages include graphics embedded within the text of the web page. These graphics are usually downloaded separately from the web page by making a "call" to a particular file and server where the graphic is located. .

Use of this feature within web pages is used as follows. Services such as ...WebTrends Live embed a tiny graphic (one pixel by one pixel in size) within the web page whose location is listed as being on one of WebTrends Live servers. This graphic is made small so as not to appear to the naked eye on the web page. The location or "source" of the graphic image includes a variable that is defined...

VVNW.webtrends-live.com/button3.asp?id39786c45629t120145), all the gathered information can be passed to the web server doing the logging. In this case, for

instance, the variable script '10978&45629020145" is sent to the webtrends-live.com web site and is interpreted by a decoder program built into the data analysis server to mean that a user with ID#39786, loaded client web site #45629 in 4.5 seconds and spent 1:20 minutes there before moving to another web site. This is just an example of the types of data that can be...

...between the

JavaScript interface 28 supplied by the tracking service provider and pasted by the

web page owner/customer into each web page, the embedded (e.g. Flash) application 30 within the web page 26, and the reporting server 24 that receives and compiles ...scenes viewed, etc.

In the browser-based interface of FIG. 6, embedded application 30 within web page 26 communicates to hosting parent page 12 (FIG. 1), which then communicates to central...communicate with the tracking service servers. The request can come from any application, not just web-browsers.

During the request to the client application would append either in the data section...

...implementation of the invention is now described using the following source code embedded within the web page being tracked, where the web

```
page ...swf11 quality=high bgcolor=#262c38
SCALE=showall TYPE=11application/x-shockwave-flash'I
PLUGINSOURCE="http:// www .macromedia.com/shockwave/download/i
ndex.cgi?Pl
Prod-Version=ShockwaveFlash">
49) </EMBED>
50) </OBJECT...
```

...to the tracking service servers as described above. Line 13) establishes the identity of the web page including a customer code that identifies the user of the tracking services. Lines 14...chart illustrating the preferred method of operation of the invention. Once the visitor downloads the web page 26, including the JavaScript interface 28 and embedded application 30, the visitor chooses to...title of the scene run ("History of Company XYZ") and the URL of the scene (" www .companyxyz.com/history.htm"). This information is pulled out in block 46.

The JavaScript in the host web page 26 runs to pull out the additional information, such as by operating the JavaScript information about the visitor computer and web content viewing data, is sent to the tracking services reporting servers in block 52.

It...

...any of the following means. First, the SRC attribute of an image on the parent **web** page/frame can be updated with the URL of the new tracking request. Such a...to the tracking service reporting servers as by using the following command.

```
myXML.Send(lhttp:// www .webtrendslive.com/tracking.aspl)
```

Finally, an HTTP GET/POST request can be made directly from...code run within the Flash embedded application.

```
getUrl ("javascript:trackActivity('History of Company  
XYZI,lhttp:// www .companyXYZ.com/history.html)");
```

The hosting page has a JavaScript function called trackActivity which takes

#### Claim

1 . A method for tracking and reporting traffic activity within an application embedded within a **web** page comprising the steps of storing a **web** page on a first server coupled to a wide area network, said **web** page having an application operating therein including data mining code; uploading the **web** page to a visitor computer responsive to a request over

the wide area network from...The method of claim 1, further including the steps of

embedding an image within the **web** page, said image having a first. SRC attribute associated therewith;

...The method of claim 1, further comprising the steps of

storing an interface within the **web** page;

requesting to the interface that the operating of the application step be tracked; and...

11/3,K/1 (Item 1 from file: 349)  
DIALOG(R)File 349:PCT FULLTEXT  
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00268249

**ELECTRONIC ARTICLE SECURITY SYSTEM**  
**SYSTEME ELECTRONIQUE DE SECURITE POUR DES ARTICLES**

Patent Applicant/Assignee:

CHECKPOINT SYSTEMS INC,

Inventor(s):

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ABRAMS Burton S,  
CANNON Joseph M,  
CASEY Stephen J,  
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MAKOFKA Douglas S,  
MASTROCOLA Louis A,  
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Patent and Priority Information (Country, Number, Date):

Patent: WO 9416421 A1 19940721

Application: WO 93US11349 19931122 (PCT/WO US9311349)

Priority Application: US 93481 19930104

Designated States: AT AU BB BG BR BY CA CH CZ DE DK ES FI GB HU JP KP KR KZ  
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Publication Language: English

Fulltext Word Count: 22676

Fulltext Availability:

Detailed Description

Detailed Description

... noise in the digitized receiver output signal, to  
provide clean, relatively high strength, low noise  
digital signals for pattern recognition analysis to  
provide a high probability of tag detection and a  
corresponding low probability of...

15/TI,PR/1 (Item 1 from file: 348)  
DIALOG(R) File 348:(c) 2003 European Patent Office. All rts. reserv.

Method of monitoring CO concentrations in hydrogen feed to a PEM fuel cell  
Verfahren zur Überwachung der CO-Gehalte in der Wasserstoffversorgung einer  
Polymerbrennstoffzelle  
Methode pour controler les concentrations de CO dans l'alimentation a  
hydrogene d'une pile a combustible a electrolyte polymere  
PRIORITY (CC, No, Date): US 957562 971024

15/TI,PR/2 (Item 2 from file: 348)  
DIALOG(R) File 348:(c) 2003 European Patent Office. All rts. reserv.

Eye-gaze direction detector  
Detektor der Blickrichtung  
Detecteur de direction du regard

15/TI,PR/3 (Item 3 from file: 348)  
DIALOG(R) File 348:(c) 2003 European Patent Office. All rts. reserv.

Method of monitoring CO concentrations in hydrogen feed to a PEM fuel cell  
Verfahren zur Überwachung der CO-Gehalte in der Wasserstoffversorgung einer  
Polymerbrennstoffzelle  
Methode pour controler les concentrations de CO dans l'alimentation a  
hydrogene d'une pile a combustible a electrolyte polymere  
PRIORITY (CC, No, Date): US 957562 971024

15/TI,PR/4 (Item 4 from file: 348)  
DIALOG(R) File 348:(c) 2003 European Patent Office. All rts. reserv.

Fuel cell CO sensor  
Brennstoffzelle - CO Sensor  
Detecteur d'oxyde de carbone du type pile a combustible  
PRIORITY (CC, No, Date): US 957563 971024

15/TI,PR/5 (Item 5 from file: 348)  
DIALOG(R) File 348:(c) 2003 European Patent Office. All rts. reserv.

Monitoring a fuel cell with polymer electrolyte by comparing the behaviour  
patterns of an auxiliaire cell  
Überwachung von Brennstoffzelle mit polymerem Elektrolyt durch Vergleich  
der Betriebsparameter einer Hilfszelle  
Contrôle d'une pile a combustion a electrolyte polymere par comparaison ses  
parametres operatoires d'une cellule auxiliaire  
PRIORITY (CC, No, Date): US 807559 970228

15/TI,PR/6 (Item 6 from file: 348)  
DIALOG(R) File 348:(c) 2003 European Patent Office. All rts. reserv.

PATTERN RECOGNITION ADAPTIVE CONTROLLER  
ADAPTIVER MUSTERERKENNUNGSREGLER  
REGULATEUR ADAPTATIF A RECONNAISSANCE DE FORMES  
PRIORITY (CC, No, Date): US 968583 921029

15/TI,PR/7 (Item 7 from file: 348)  
DIALOG(R) File 348:(c) 2003 European Patent Office. All rts. reserv.

Terminal communications circuit.  
Übertragungsschaltung für Endgerät.  
Circuit de communication pour terminal.

PRIORITY (CC, No, Date): US 908532 860917

15/TI,PR/8 (Item 1 from file: 349)  
DIALOG(R)File 349:(c) 2003 WIPO/Univentio. All rts. reserv.

POST PRODUCTION VISUAL ALTERATIONS  
MODIFICATIONS VISUELLES APRES PRODUCTION  
Priority Application: US 2001309714 20010802

15/TI,PR/9 (Item 2 from file: 349)  
DIALOG(R)File 349:(c) 2003 WIPO/Univentio. All rts. reserv.

AUDIO IDENTIFICATION SYSTEM AND METHOD  
SYSTEME ET PROCEDE D'IDENTIFICATION AUDIO  
Priority Application: US 2001903627 20010713

15/TI,PR/10 (Item 3 from file: 349)  
DIALOG(R)File 349:(c) 2003 WIPO/Univentio. All rts. reserv.

A METHOD AND SYSTEM FOR THE VISUAL PRESENTATION OF DATA MINING MODELS  
PROCEDE ET SYSTEME DE PRESENTATION VISUELLE DE MODELES D'EXPLORATION DE  
DONNEES  
Priority Application: US 2001303036 20010706

15/TI,PR/11 (Item 4 from file: 349)  
DIALOG(R)File 349:(c) 2003 WIPO/Univentio. All rts. reserv.

DUAL & PARALLEL SOFTWARE DEVELOPMENT MODEL  
MODELE DE DEVELOPPEMENT DE LOGICIEL PARALLELE ET DOUBLE  
Priority Application: US 2001878492 20010611

15/TI,PR/12 (Item 5 from file: 349)  
DIALOG(R)File 349:(c) 2003 WIPO/Univentio. All rts. reserv.

DATA MINING APPARATUS AND METHOD WITH USER INTERFACE BASED GROUND-TRUTH  
TOOL AND USER ALGORITHMS  
DISPOSITIF ET PROCEDE D'EXPLORATION DE DONNEES UTILISANT UN OUTIL DE  
TERRAIN A INTERFACE UTILISATEUR ET DES ALGORITHMES D'UTILISATEUR  
Priority Application: US 2001274008 20010307; US 2001945530 20010830; US  
2001942435 20011116

15/TI,PR/13 (Item 6 from file: 349)  
DIALOG(R)File 349:(c) 2003 WIPO/Univentio. All rts. reserv.

AUTOMATIC ALGORITHM GENERATION  
GENERATION AUTOMATIQUE D'ALGORITHMES  
Priority Application: US 2001275882 20010314; US NONE 20020313

15/TI,PR/14 (Item 7 from file: 349)  
DIALOG(R)File 349:(c) 2003 WIPO/Univentio. All rts. reserv.

PLANAR LASER ILLUMINATION AND IMAGING (PLIIM) SYSTEMS WITH INTEGRATED  
DESPECKLING MECHANISMS PROVIDED THEREIN  
SYSTEMES PLIIM D'ILLUMINATION ET D'IMAGERIE AU LASER PLANAIRE A MECANISME  
DE DECHATOIEMENT INTEGRE  
Priority Application: US 2000721885 20001124; US 2001780027 20010209; US  
2001781665 20010212; US 2001883130 20010615; US 2001954477 20010917; US  
2001999687 20011031

15/TI,PR/15 (Item 8 from file: 349)  
DIALOG(R)File 349:(c) 2003 WIPO/Univentio. All rts. reserv.

METHOD FOR DETERMINING WEB PAGE LOADING AND VIEWING TIMES  
PROCEDE PERMETTANT DE DETERMINER DES TEMPS DE CHARGEMENT ET DE  
VISUALISATION DE PAGES WEB  
Priority Application: US 2000245647 20001102

15/TI,PR/16 (Item 9 from file: 349)  
DIALOG(R)File 349:(c) 2003 WIPO/Univentio. All rts. reserv.

A SYSTEM FOR ENTERPRISE KNOWLEDGE MANAGEMENT AND AUTOMATION  
SYSTEME DE GESTION ET AUTOMATISATION DES CONNAISSANCES D'ENTREPRISES  
Priority Application: US 2000206742 20000524; US 2000241380 20001018

15/TI,PR/17 (Item 10 from file: 349)  
DIALOG(R)File 349:(c) 2003 WIPO/Univentio. All rts. reserv.

COMPUTER-AIDED METHOD AND APPARATUS FOR DIRECTLY ASSISTING PEOPLE IN  
PROBLEM SOLVING  
PROCEDE ET DISPOSITIF ASSISTES PAR ORDINATEUR SERVANT A AIDER DIRECTEMENT  
DES PERSONNES A RESOUDRE DES PROBLEMES  
Priority Application: US 2000566006 20000505

15/TI,PR/18 (Item 11 from file: 349)  
DIALOG(R)File 349:(c) 2003 WIPO/Univentio. All rts. reserv.

METHODS FOR PREDICTING THE BIOLOGICAL, CHEMICAL, AND PHYSICAL PROPERTIES OF  
MOLECULES FROM THEIR SPECTRAL PROPERTIES  
PROCEDES DE PREDICTION DES PROPRIETES BIOLOGIQUES, CHIMIQUES ET PHYSIQUES  
DE MOLECULES A PARTIR DE LEURS PROPRIETES SPECTRALES  
Priority Application: US 2000496314 20000201; US 2000629557 20000731

15/TI,PR/19 (Item 12 from file: 349)  
DIALOG(R)File 349:(c) 2003 WIPO/Univentio. All rts. reserv.

APPARATUS FOR ACOUSTICALLY IMPROVING AN ENVIRONMENT AND RELATED METHOD  
APPAREIL ET PROCEDE PERMETTANT D'AMELIORER UN ENVIRONNEMENT DU POINT DE VUE  
ACOUSTIQUE  
Priority Application: GB 9927131 19991116

15/TI,PR/20 (Item 13 from file: 349)  
DIALOG(R)File 349:(c) 2003 WIPO/Univentio. All rts. reserv.

METHOD OF FORMING A MASKING PATTERN ON A SURFACE  
PROCEDE DE FORMATION D'UN MOTIF DE MASQUAGE SUR UNE SURFACE  
Priority Application: GB 9912437 19990527; GB 20005929 20000310

15/TI,PR/21 (Item 14 from file: 349)  
DIALOG(R)File 349:(c) 2003 WIPO/Univentio. All rts. reserv.

METHODS FOR DETERMINING THE IDENTIFICATION AND POSITION OF AND MONITORING  
OBJECTS IN A VEHICLE  
TECHNIQUES D'IDENTIFICATION ET DE POSITION D'OBJETS DANS UN VEHICULE ET DE  
SURVEILLANCE DE CES OBJETS  
Priority Application: US 98114507 19981231

15/TI,PR/22 (Item 15 from file: 349)

DIALOG(R)File 349:(c) 2003 WIPO/Univentio. All rts. reserv.

CUSTOMER RELATIONSHIP MANAGEMENT SYSTEM AND METHOD  
SYSTEME ET PROCEDE DE GESTION DE RELATION CLIENT  
Priority Application: US 98210296 19981211

15/TI,PR/23 (Item 16 from file: 349)  
DIALOG(R)File 349:(c) 2003 WIPO/Univentio. All rts. reserv.

SECURITY PRINTING  
IMPRESSION SECURISEE  
Priority Application: GB 9824246 19981106

15/TI,PR/24 (Item 17 from file: 349)  
DIALOG(R)File 349:(c) 2003 WIPO/Univentio. All rts. reserv.

CALL PROCESSING SYSTEM, METHOD AND COMPUTER PROGRAM PRODUCT  
SYSTEME DE TRAITEMENT D'APPELS, PROCEDE ET PROGRAMME INFORMATIQUE  
Priority Application: US 9882730 19980423; US 99266724 19990312

15/TI,PR/25 (Item 18 from file: 349)  
DIALOG(R)File 349:(c) 2003 WIPO/Univentio. All rts. reserv.

VISION ARCHITECTURE TO DESCRIBE FEATURES OF PERSONS  
ARCHITECTURE VIDEO POUR DECRIRE LES TRAITS DE PERSONNES  
Priority Application: US 9881615 19980413

15/TI,PR/26 (Item 19 from file: 349)  
DIALOG(R)File 349:(c) 2003 WIPO/Univentio. All rts. reserv.

PAIN MANAGEMENT ADVISORY SYSTEM  
SYSTEME CONSULTATIF DE GESTION DE LA DOULEUR  
Priority Application: US 97932256 19970917

15/TI,PR/27 (Item 20 from file: 349)  
DIALOG(R)File 349:(c) 2003 WIPO/Univentio. All rts. reserv.

ELECTRONIC TONGUE  
LANGUE ELECTRONIQUE  
Priority Application: SE 973215 19970907

15/TI,PR/28 (Item 21 from file: 349)  
DIALOG(R)File 349:(c) 2003 WIPO/Univentio. All rts. reserv.

METHOD AND APPARATUS FOR PRECISELY DIMENSIONING POLE TIPS OF A MAGNETIC  
TRANSDUCING HEAD STRUCTURE  
PROCEDE ET APPAREIL POUR DIMENSIONNER AVEC PRECISION LES PIECES POLAIRES  
D'UNE STRUCTURE A TETE TRANSDUCTRICE MAGNETIQUE  
Priority Application: WO 97US10445 19970613

15/TI,PR/29 (Item 22 from file: 349)  
DIALOG(R)File 349:(c) 2003 WIPO/Univentio. All rts. reserv.

PERSONALIZED AUTOMATED OPERATOR POSITION  
POSTE D'OPERATEUR AUTOMATISE PERSONNALISE  
Priority Application: US 9629918 19961101; US 9753290 19970721; US  
9759386 19970919

15/TI,PR/30 (Item 23 from file: 349)  
DIALOG(R)File 349:(c) 2003 WIPO/Univentio. All rts. reserv.

PATTERN RECOGNITION ADAPTIVE CONTROLLER  
REGULATEUR ADAPTATIF A RECONNAISSANCE DE FORMES  
Priority Application: US 92968583 19921029

15/3,K/6 (Item 6 from file: 348)  
DIALOG(R) File 348:EUROPEAN PATENTS  
(c) 2003 European Patent Office. All rts. reserv.

00628711

**PATTERN RECOGNITION ADAPTIVE CONTROLLER**  
**ADAPTIVER MUSTERERKENNUNGSREGLER**  
**REGULATEUR ADAPTATIF A RECONNAISSANCE DE FORMES**  
PATENT ASSIGNEE:

Johnson Service Company, (476180), 5757 North Green Bay Avenue, Milwaukee  
Wisconsin 53209, (US), (applicant designated states: DE;ES;FR;GB;IT)

INVENTOR:

SEEM, John, E., W167 N8420 Theodore Avenue, Menomonee Falls, WI 53051,  
(US)

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WI 53214, (US)

LEGAL REPRESENTATIVE:

UEXKULL & STOLBERG (100011), Patentanwalte Beselerstrasse 4, 22607  
Hamburg, (DE)

PATENT (CC, No, Kind, Date): EP 628181 A1 941214 (Basic)  
EP 628181 A1 950405  
EP 628181 B1 970604  
WO 9410613 940511

APPLICATION (CC, No, Date): EP 94903239 931025; WO 93US10182 931025

PRIORITY (CC, No, Date): US 968583 921029

DESIGNATED STATES: DE; ES; FR; GB; IT

INTERNATIONAL PATENT CLASS: G05B-013/00; G05B-013/02;

NOTE:

No A-document published by EPO

LANGUAGE (Publication,Procedural,Application): English; English; English

FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS B	(English)	EPAB97	788
CLAIMS B	(German)	EPAB97	773
CLAIMS B	(French)	EPAB97	947
SPEC B	(English)	EPAB97	5992
Total word count - document A			0
Total word count - document B			8500
Total word count - documents A + B			8500

...SPECIFICATION to the preferred embodiment of the present invention.

According to this embodiment, controller 20 internally incorporates the hardware and software required to implement the pattern recognition adaptive control process. The hardware may include a microprocessor 42 and memory 48. Microprocessor 42...

18/TI,PR/1 (Item 1 from file: 348)  
DIALOG(R)File 348:(c) 2003 European Patent Office. All rts. reserv.

PERSONAL ELECTRONIC SETTLEMENT SYSTEM, ITS TERMINAL, AND MANAGEMENT APPARATUS

PERSONLICHES ELEKTRONISCHES REGELUNGSSYSTEM, TERMINAL UND MANAGEMENTAPPARAT  
SYSTEME DE REGLEMENT ELECTRONIQUE PERSONNEL, TERMINAL DE CE DERNIER ET  
APPAREIL PERMETTANT DE GERER CE SYSTEME

PRIORITY (CC, No, Date): JP 96316897 961114; JP 97117681 970422

18/TI,PR/2 (Item 2 from file: 348)  
DIALOG(R)File 348:(c) 2003 European Patent Office. All rts. reserv.

Connectionless communications system, test method, and intra-station control system

Verbindungsloses Kommunikationssystem, Testmethode und Intra-Station-Steuerungssystem

Systeme de communication sans connection, methode de test et systeme de gestion intra-station

PRIORITY (CC, No, Date): JP 94255120 940822

18/TI,PR/3 (Item 1 from file: 349)  
DIALOG(R)File 349:(c) 2003 WIPO/Univentio. All rts. reserv.

METHOD AND SYSTEM FOR DELIVERING MULTIPLE SERVICES ELECTRONICALLY TO CUSTOMERS VIA A CENTRALIZED PORTAL ARCHITECTURE

PROCEDE ET SYSTEME DE PRESTATION ELECTRONIQUE DE MULTIPLES SERVICES A DES CLIENTS PAR L'INTERMEDIAIRE D'UNE ARCHITECTURE DE PORTAIL CENTRALISEE

Priority Application: US 2001312698 20010815

18/TI,PR/4 (Item 2 from file: 349)  
DIALOG(R)File 349:(c) 2003 WIPO/Univentio. All rts. reserv.

SYSTEM AND METHOD FOR MONITORING KEY PERFORMANCE INDICATORS IN A BUSINESS SYSTEME ET PROCEDE DE SURVEILLANCE DES PRINCIPAUX INDICATEURS DE PERFORMANCE DANS UNE ENTREPRISE

Priority Application: US 2001877414 20010608

18/TI,PR/5 (Item 3 from file: 349)  
DIALOG(R)File 349:(c) 2003 WIPO/Univentio. All rts. reserv.

SYSTEM, METHOD, SOFTWARE ARCHITECTURE AND BUSINESS MODEL FOR AN INTELLIGENT OBJECT BASED INFORMATION TECHNOLOGY PLATFORM

SYSTEME, PROCEDE, ARCHITECTURE LOGICIELLE ET MODELE DE GESTION POUR PLATE-FORME DE TECHNOLOGIE D'INFORMATIONS FONDEE SUR UN OBJET INTELLIGENT

Priority Application: US 2000254063 20001206; US 2000254062 20001206; US 2000254064 20001206; US 2000259050 20001229; US 2001246238 20010125; US 2001266957 20010206; US 2001276711 20010316; US 2001282656 20010409; US 2001282658 20010409; US 2001282654 20010409; US 2001282657 20010409; US 2001282655 20010409; US 2001282979 20010410; US 2001282989 20010410; US 2001282991 20010410; US 2001282990 20010410

18/TI,PR/6 (Item 4 from file: 349)  
DIALOG(R)File 349:(c) 2003 WIPO/Univentio. All rts. reserv.

METHOD FOR IMPLEMENTING SERVICE DESK CAPABILITY

PROCEDE DE MISE EN OEUVRE D'UNE FONCTIONNALITE DE POSTE DE SERVICE

Priority Application: US 2000242007 20001020

18/TI,PR/7 (Item 5 from file: 349)  
DIALOG(R)File 349:(c) 2003 WIPO/Univentio. All rts. reserv.

INTEGRATED IN-STREAM VIDEO AD SERVING  
FOURNITURE DE PUBLICITE INTEGREE DANS UN FLUX VIDEO EN CONTINU  
Priority Application: US 2000707596 20001106

18/TI,PR/8 (Item 6 from file: 349)  
DIALOG(R)File 349:(c) 2003 WIPO/Univentio. All rts. reserv.

SYSTEMS, METHODS AND COMPUTER PROGRAM PRODUCTS FOR PROCESSING GENOMIC DATA  
IN AN OBJECT-ORIENTED ENVIRONMENT  
SYSTEMES, PROCEDES ET PRODUITS DE PROGRAMME D'ORDINATEUR DESTINES AU  
TRAITEMENT DE DONNEES GENOMIQUES DANS UN ENVIRONNEMENT ORIENTE OBJET  
Priority Application: US 2000657218 20000907

18/TI,PR/9 (Item 7 from file: 349)  
DIALOG(R)File 349:(c) 2003 WIPO/Univentio. All rts. reserv.

DEVICE AND METHOD FOR ORGANIZING AND PRESENTING WORKER TASKS IN A  
NETWORK-BASED PORTAL ENVIRONMENT  
DISPOSITIF ET PROCEDE SERVANT A ORGANISER ET A PRESENTER DES TACHES DANS UN  
ENVIRONNEMENT DE PORTAIL BASE SUR UN RESEAU  
Priority Application: US 2000211426 20000614

18/TI,PR/10 (Item 8 from file: 349)  
DIALOG(R)File 349:(c) 2003 WIPO/Univentio. All rts. reserv.

ADVANCED ASSET MANAGEMENT SYSTEMS  
SYSTEMES DE GESTION D'AVOIRS PERFECTIONNES  
Priority Application: US 2000569023 20000511

18/TI,PR/11 (Item 9 from file: 349)  
DIALOG(R)File 349:(c) 2003 WIPO/Univentio. All rts. reserv.

NUCLEIC ACIDS, PROTEINS, AND ANTIBODIES  
ACIDES NUCLEIQUES, PROTEINES ET ANTICORPS

Priority Application: US 2000179065 20000131; US 2000180628 20000204; US  
2000184664 20000224; US 2000186350 20000302; US 2000189874 20000316; US  
2000190076 20000317; US 2000198123 20000418; US 2000205515 20000519; US  
2000209467 20000607; US 2000214886 20000628; US 2000215135 20000630; US  
2000216647 20000707; US 2000216880 20000707; US 2000217487 20000711; US  
2000217496 20000711; US 2000218290 20000714; US 2000220963 20000726; US  
2000220964 20000726; US 2000225757 20000814; US 2000225270 20000814; US  
2000225447 20000814; US 2000225267 20000814; US 2000225758 20000814; US  
2000225268 20000814; US 2000224518 20000814; US 2000224519 20000814; US  
2000225759 20000814; US 2000225213 20000814; US 2000225266 20000814; US  
2000225214 20000814; US 2000226279 20000818; US 2000226868 20000822; US  
2000227182 20000822; US 2000226681 20000822; US 2000227009 20000823; US  
2000228924 20000830; US 2000229344 20000901; US 2000229343 20000901; US  
2000229287 20000901; US 2000229345 20000901; US 2000229513 20000905; US  
2000229509 20000905; US 2000230438 20000906; US 2000230437 20000906; US  
2000231413 20000908; US 2000232080 20000908; US 2000231414 20000908; US  
2000231244 20000908; US 2000232081 20000908; US 2000231242 20000908; US  
2000231243 20000908; US 2000231968 20000912; US 2000232401 20000914; US  
2000232399 20000914; US 2000232400 20000914; US 2000232397 20000914; US  
2000233063 20000914; US 2000233064 20000914; US 2000233065 20000914; US  
2000232398 20000914; US 2000234223 20000921; US 2000234274 20000921; US  
2000234997 20000925; US 2000234998 20000925; US 2000235484 20000926; US  
2000235834 20000927; US 2000235836 20000927; US 2000236369 20000929; US  
2000236327 20000929; US 2000236370 20000929; US 2000236368 20000929; US  
2000236367 20000929; US 2000237039 20001002; US 2000237038 20001002; US

2000237040 20001002; US 2000237037 20001002; US 2000236802 20001002; US  
 2000239937 20001013; US 2000239935 20001013; US 2000241785 20001020; US  
 2000241809 20001020; US 2000240960 20001020; US 2000241787 20001020; US  
 2000241808 20001020; US 2000241221 20001020; US 2000241786 20001020; US  
 2000241826 20001020; US 2000244617 20001101; US 2000246474 20001108; US  
 2000246532 20001108; US 2000246476 20001108; US 2000246526 20001108; US  
 2000246475 20001108; US 2000246525 20001108; US 2000246528 20001108; US  
 2000246527 20001108; US 2000246477 20001108; US 2000246611 20001108; US  
 2000246610 20001108; US 2000246613 20001108; US 2000246609 20001108; US  
 2000246478 20001108; US 2000246524 20001108; US 2000246523 20001108; US  
 2000249299 20001117; US 2000249210 20001117; US 2000249216 20001117; US  
 2000249217 20001117; US 2000249211 20001117; US 2000249215 20001117; US  
 2000249218 20001117; US 2000249208 20001117; US 2000249213 20001117; US  
 2000249212 20001117; US 2000249207 20001117; US 2000249245 20001117; US  
 2000249244 20001117; US 2000249297 20001117; US 2000249214 20001117; US  
 2000249264 20001117; US 2000249209 20001117; US 2000249300 20001117; US  
 2000249265 20001117; US 2000250391 20001201; US 2000250160 20001201; US  
 2000256719 20001205; US 2000251030 20001205; US 2000251988 20001205; US  
 2000251479 20001206; US 2000251869 20001208; US 2000251856 20001208; US  
 2000251868 20001208; US 2000251990 20001208; US 2000251989 20001208; US  
 2000254097 20001211; US 2001259678 20010105

18/TI,PR/12 (Item 10 from file: 349)  
 DIALOG(R)File 349:(c) 2003 WIPO/Univentio. All rts. reserv.

A METHOD FOR A VIRTUAL TRADE FINANCIAL FRAMEWORK  
 PROCEDE DESTINE A UN SCHEMA FINANCIER DE COMMERCE VIRTUEL  
 Priority Application: US 99470030 19991222; US 99470041 19991222; US  
 99470044 19991222

18/TI,PR/13 (Item 11 from file: 349)  
 DIALOG(R)File 349:(c) 2003 WIPO/Univentio. All rts. reserv.

TECHNOLOGY SHARING DURING ASSET MANAGEMENT AND ASSET TRACKING IN A  
 NETWORK-BASED SUPPLY CHAIN ENVIRONMENT AND METHOD THEREOF  
 PARTAGE TECHNOLOGIQUE LORS DE LA GESTION ET DU SUIVI DU PARC INFORMATIQUE  
 DANS UN ENVIRONNEMENT DU TYPE CHAINE D'APPROVISIONNEMENT RESEAUTEE, ET  
 PROCEDE ASSOCIE  
 Priority Application: US 99444653 19991122; US 99447623 19991122

18/TI,PR/14 (Item 12 from file: 349)  
 DIALOG(R)File 349:(c) 2003 WIPO/Univentio. All rts. reserv.

SCHEDULING AND PLANNING BEFORE AND PROACTIVE MANAGEMENT DURING MAINTENANCE  
 AND SERVICE IN A NETWORK-BASED SUPPLY CHAIN ENVIRONMENT  
 PROGRAMMATION ET PLANIFICATION ANTICIPEE, ET GESTION PROACTIVE AU COURS DE  
 LA MAINTENANCE ET DE L'ENTRETIEN D'UN ENVIRONNEMENT DU TYPE CHAINE  
 D'APPROVISIONNEMENT RESEAUTEE  
 Priority Application: US 99447625 19991122; US 99444889 19991122

18/TI,PR/15 (Item 13 from file: 349)  
 DIALOG(R)File 349:(c) 2003 WIPO/Univentio. All rts. reserv.

NETWORK AND LIFE CYCLE ASSET MANAGEMENT IN AN E-COMMERCE ENVIRONMENT AND  
 METHOD THEREOF  
 GESTION D'ACTIFS DURANT LE CYCLE DE VIE ET EN RESEAU DANS UN ENVIRONNEMENT  
 DE COMMERCE ELECTRONIQUE ET PROCEDE ASSOCIE  
 Priority Application: US 99444775 19991122; US 99447621 19991122

18/TI,PR/16 (Item 14 from file: 349)  
 DIALOG(R)File 349:(c) 2003 WIPO/Univentio. All rts. reserv.

COLLABORATIVE CAPACITY PLANNING AND REVERSE INVENTORY MANAGEMENT DURING  
DEMAND AND SUPPLY PLANNING IN A NETWORK-BASED SUPPLY CHAIN ENVIRONMENT  
AND METHOD THEREOF

PLANIFICATION EN COLLABORATION DES CAPACITES ET GESTION ANTICIPEE DES  
STOCKS LORS DE LA PLANIFICATION DE L'OFFRE ET DE LA DEMANDE DANS UN  
ENVIRONNEMENT DE CHAINE D'APPROVISIONNEMENT FONDEE SUR LE RESEAU ET  
PROCEDE ASSOCIE

Priority Application: US 99444655 19991122; US 99444886 19991122

18/TI,PR/17 (Item 15 from file: 349)

DIALOG(R) File 349:(c) 2003 WIPO/Univentio. All rts. reserv.

METHOD FOR AFFORDING A MARKET SPACE INTERFACE BETWEEN A PLURALITY OF  
MANUFACTURERS AND SERVICE PROVIDERS AND INSTALLATION MANAGEMENT VIA A  
MARKET SPACE INTERFACE

PROCEDE DE MISE A DISPOSITION D'UNE INTERFACE D'ESPACE DE MARCHÉ ENTRE UNE  
PLURALITE DE FABRICANTS ET DES FOURNISSEURS DE SERVICES ET GESTION  
D'UNE INSTALLATION VIA UNE INTERFACE D'ESPACE DE MARCHÉ

Priority Application: US 99444773 19991122; US 99444798 19991122

18/TI,PR/18 (Item 16 from file: 349)

DIALOG(R) File 349:(c) 2003 WIPO/Univentio. All rts. reserv.

ANY-TO-ANY COMPONENT COMPUTING SYSTEM

SYSTEME INFORMATIQUE A COMPOSANTS TOUTE CATEGORIE

Priority Application: US 99164884 19991112

18/TI,PR/19 (Item 17 from file: 349)

DIALOG(R) File 349:(c) 2003 WIPO/Univentio. All rts. reserv.

SYSTEM, METHOD AND ARTICLE OF MANUFACTURE FOR LOAD BALANCING REQUESTS AMONG  
SERVERS

SYSTEME, PROCEDE ET ARTICLE POUR EQUILIBREUR DE CHARGE DANS UN  
ENVIRONNEMENT DE STRUCTURES DE SERVICES

Priority Application: US 99387576 19990831

18/TI,PR/20 (Item 18 from file: 349)

DIALOG(R) File 349:(c) 2003 WIPO/Univentio. All rts. reserv.

SYSTEM, METHOD, AND ARTICLE OF MANUFACTURE FOR A REQUEST BATCHER IN A  
TRANSACTION SERVICES PATTERNS ENVIRONMENT

SYSTEME, PROCEDE ET ARTICLE MANUFACTURE POUR MODULE DE MISE EN LOTS DES  
REQUETES DANS UN ENVIRONNEMENT CARACTERISE PAR DES SERVICES  
TRANSACTIONNELS

Priority Application: US 99387575 19990831

18/TI,PR/21 (Item 19 from file: 349)

DIALOG(R) File 349:(c) 2003 WIPO/Univentio. All rts. reserv.

SYSTEM, METHOD, AND ARTICLE OF MANUFACTURE FOR DISTRIBUTED GARBAGE  
COLLECTION IN ENVIRONMENT SERVICES PATTERNS

SYSTEME, PROCEDE ET ARTICLE DE FABRICATION EN MATIERE DE RECUPERATION  
D'ESPACE REPARTI DANS DES MOTIFS DE SERVICES D'ENVIRONNEMENT

Priority Application: US 99386435 19990831

18/TI,PR/22 (Item 20 from file: 349)

DIALOG(R) File 349:(c) 2003 WIPO/Univentio. All rts. reserv.

A SYSTEM, METHOD AND ARTICLE OF MANUFACTURE FOR BUSINESS LOGIC SERVICES

PATTERNS IN A NETCENTRIC ENVIRONMENT  
SYSTEME, PROCEDE ET ARTICLE DE FABRICATION POUR STRUCTURES DE SERVICES DE  
LOGIQUE DE COMMERCE DANS UN ENVIRONNEMENT S'ARTICULANT AUTOUR DE  
L'INTERNET

Priority Application: US 99387658 19990831

18/TI,PR/23 (Item 21 from file: 349)  
DIALOG(R)File 349:(c) 2003 WIPO/Univentio. All rts. reserv.

A SYSTEM, METHOD AND ARTICLE OF MANUFACTURE FOR A LEGACY WRAPPER IN A  
COMMUNICATION SERVICES PATTERNS ENVIRONMENT  
SYSTEME, PROCEDE ET DISPOSITIF POUR MODULE D'HABILLAGE EXISTANT DANS UN  
ENVIRONNEMENT DE SCHEMAS DE SERVICES DE COMMUNICATION  
Priority Application: US 99386834 19990831

18/TI,PR/24 (Item 22 from file: 349)  
DIALOG(R)File 349:(c) 2003 WIPO/Univentio. All rts. reserv.

A SYSTEM, METHOD AND ARTICLE OF MANUFACTURE FOR A MULTI-OBJECT FETCH  
COMPONENT IN AN INFORMATION SERVICES PATTERNS ENVIRONMENT  
SYSTEME, PROCEDE ET ARTICLE MANUFACTURE POUR COMPOSANT DE RECUPERATION  
MULTI-OBJET DANS UN ENVIRONNEMENT CARACTERISE PAR DES SERVICES  
D'INFORMATIONS  
Priority Application: US 99386238 19990831

18/TI,PR/25 (Item 23 from file: 349)  
DIALOG(R)File 349:(c) 2003 WIPO/Univentio. All rts. reserv.

SYSTEM, METHOD, AND ARTICLE OF MANUFACTURE FOR PIECEMEAL RETRIEVAL IN AN  
INFORMATION SERVICES PATTERNS ENVIRONMENT  
SYSTEME, PROCEDE ET ARTICLE DE FABRICATION DESTINES A LA RECHERCHE  
FRAGMENTAIRE DANS UN ENVIRONNEMENT DE MODELES DE SERVICES  
D'INFORMATIONS  
Priority Application: US 99386433 19990831

18/TI,PR/26 (Item 24 from file: 349)  
DIALOG(R)File 349:(c) 2003 WIPO/Univentio. All rts. reserv.

A SYSTEM, METHOD AND ARTICLE OF MANUFACTURE FOR A REFRESHABLE PROXY POOL IN  
A COMMUNICATION ENVIRONMENT  
SYSTEME, PROCEDE ET ARTICLE POUR GROUPE D'ELEMENTS MANDATAIRES (PROXY)  
RAFRAICHISSABLES DANS UN ENVIRONNEMENT A CONFIGURATIONS DE SERVICES DE  
COMMUNICATION  
Priority Application: US 99386239 19990831

18/TI,PR/27 (Item 25 from file: 349)  
DIALOG(R)File 349:(c) 2003 WIPO/Univentio. All rts. reserv.

ADVANCED DEFERRED SHADING GRAPHICS PIPELINE PROCESSOR  
PROCESSEUR PIPELINE GRAPHIQUE EVOLUE A OMBRAGE DIFFERE  
Priority Application: US 9897336 19980820; US 98213990 19981217

18/TI,PR/28 (Item 26 from file: 349)  
DIALOG(R)File 349:(c) 2003 WIPO/Univentio. All rts. reserv.

UNIVERSAL EPISTEMOLOGICAL MACHINE (A.K.A. ANDROID)  
MACHINE EPISTEMOLOGIQUE UNIVERSELLE (ANDROIDE A.K.A.)  
Priority Application: US 97847230 19970501; US 97876378 19970616; US  
9833676 19980303

18/TI,PR/29 (Item 27 from file: 349)  
DIALOG(R)File 349:(c) 2003 WIPO/Univentio. All rts. reserv.

CONTROL SYSTEMS BASED ON SIMULATED VIRTUAL MODELS  
SYSTEMES DE COMMANDE BASES SUR DES MODELES VIRTUELS SIMULES  
Priority Application: US 95373688 19950117; US 95373992 19950117

18/TI,PR/30 (Item 28 from file: 349)  
DIALOG(R)File 349:(c) 2003 WIPO/Univentio. All rts. reserv.

PARALLEL MACHINE ARCHITECTURE FOR PRODUCTION RULE SYSTEMS  
ARCHITECTURE DE MACHINE PARALLELE POUR DES SYSTEMES DE REGLES DE PRODUCTION  
Priority Application: US 87976 19870609

18/3,K/30 (Item 28 from file: 349)  
DIALOG(R)File 349:PCT FULLTEXT  
(c) 2003 WIPO/Univentio. All rts. reserv.

00153060

PARALLEL MACHINE ARCHITECTURE FOR PRODUCTION RULE SYSTEMS  
ARCHITECTURE DE MACHINE PARALLELE POUR DES SYSTEMES DE REGLES DE PRODUCTION

Patent Applicant/Assignee:

MARTIN MARIETTA ENERGY SYSTEMS INC,

Inventor(s):

ALLEN John Daniel Jr,

BUTLER Philip Lee,

Patent and Priority Information (Country, Number, Date):

Patent: WO 8809972 A1 19881215

Application: WO 88US1901 19880609 (PCT/WO US8801901)

Priority Application: US 87976 19870609

Designated States: AT BE CH DE FR GB IT JP LU NL SE

Publication Language: English

Fulltext Word Count: 138162

Fulltext Availability:

Detailed Description

Detailed Description

... to the cell board arbitration control logic circuit as shown in Fig. 13 which arbitrates within each rule processor cell, If the particular rule processor is not runningr the arbitration circuit...list is a sorted version of the instantiation time-tags. This is used by the routine that sorts the instantiations as they are entered on the fireable, list. The fireable list...

19/TI,PR/1 (Item 1 from file: 348)  
DIALOG(R)File 348:(c) 2003 European Patent Office. All rts. reserv.

Method and apparatus for the integration of data, information and knowledge  
Verfahren und Gerat fur die Integration von Daten, Information und Kenntnis  
Methode et outil pour l'integration des dates, information et connaissance  
PRIORITY (CC, No, Date): US 172608 P 991220; US 659731 000911

19/TI,PR/2 (Item 2 from file: 348)  
DIALOG(R)File 348:(c) 2003 European Patent Office. All rts. reserv.

Initiating a link between computers based on the decoding of an address  
steganographically embedded in an audio object  
Verbindungsherstellung zwischen Computern beruhend auf der Dekodierung  
einer steganographisch in einem Audioobjekt eingebetteten Adresse  
Initialisation d'une liaison entre ordinateurs basee sur le decodage d'une  
adresse enrobee steganographiquement dans un objet audio.  
PRIORITY (CC, No, Date): US 436102 950508; US 508083 950727; US 512993  
950809; US 534005 950925; US 637531 960425

19/TI,PR/3 (Item 3 from file: 348)  
DIALOG(R)File 348:(c) 2003 European Patent Office. All rts. reserv.

Integrated data link control with dynamic hyperchannel mapping  
Integrierte Datenubertragungsstreckensteuerung mit dynamischer  
Hyperchannelzuteilung  
Dispositif integre de commande d'une voie de donnees avec allocation  
dynamique de hypercanal  
PRIORITY (CC, No, Date): US 495821 900315

19/TI,PR/4 (Item 1 from file: 349)  
DIALOG(R)File 349:(c) 2003 WIPO/Univentio. All rts. reserv.

METHOD, SYSTEM, AND PROGRAM FOR MINING DATA IN A PERSONAL INFORMATION  
MANAGER DATABASE  
PROCEDE, SYSTEME ET PROGRAMME DE RECHERCHE DE DONNEES DANS UNE BASE DE  
DONNEES DE GESTION D'INFORMATIONS PERSONNELLES  
Priority Application: US 2001848176 20010503

19/TI,PR/5 (Item 2 from file: 349)  
DIALOG(R)File 349:(c) 2003 WIPO/Univentio. All rts. reserv.

LEUKOCYTE EXPRESSION PROFILING  
EVALUATION DU NIVEAU D'EXPRESSION LEUCOCYTAIRE  
Priority Application: US 2000241994 20001020; US 2001296764 20010608

19/TI,PR/6 (Item 3 from file: 349)  
DIALOG(R)File 349:(c) 2003 WIPO/Univentio. All rts. reserv.

PROJECT MANAGEMENT SYSTEM AND METHOD  
PROCEDE ET SYSTEME DE GESTION DE PROJET  
Priority Application: GB 200023952 20000929

19/TI,PR/7 (Item 4 from file: 349)  
DIALOG(R)File 349:(c) 2003 WIPO/Univentio. All rts. reserv.

A SYSTEM, METHOD AND INTERFACE FOR BUILDING BIOLOGICAL DATABASES USING  
TEMPLATES  
SYSTEME, PROCEDE ET INTERFACE UTILISANT DES MODELES POUR CONSTRUIRE DES  
BASES DE DONNEES BIOLOGIQUES

Priority Application: WO 2000SG155 20000925

19/TI,PR/8 (Item 5 from file: 349)  
DIALOG(R)File 349:(c) 2003 WIPO/Univentio. All rts. reserv.

METHOD AND SYSTEM FOR CREATING AND IMPROVING PRODUCTS AND SERVICES USING  
ELECTRONIC COLLECTION OF INFORMATION  
PROCEDES ET SYSTEMES POUR CREER ET AMELIORER DES PRODUITS ET DES SERVICES  
EN RECOURANT AU RECUEIL ELECTRONIQUE D'INFORMATION  
Priority Application: US 2000607751 20000630

19/TI,PR/9 (Item 6 from file: 349)  
DIALOG(R)File 349:(c) 2003 WIPO/Univentio. All rts. reserv.

NETWORKED INTERACTIVE TOY SYSTEM  
SYSTEME DE JOUETS INTERACTIFS EN RESEAU

Priority Application: US 2000189914 20000316; US 2000189915 20000316; US  
2000189916 20000316; US 2000190874 20000321; US 2000191300 20000321; US  
2000192011 20000324; US 2000192012 20000324; US 2000192013 20000324; US  
2000192014 20000324; US 2000193697 20000331; US 2000193699 20000331; US  
2000193702 20000331; US 2000193703 20000331; US 2000193704 20000331; US  
2000195861 20000407; US 2000195862 20000407; US 2000195863 20000407; US  
2000195864 20000407; US 2000195865 20000407; US 2000195866 20000407; US  
2000196227 20000410; US 2000197573 20000417; US 2000197576 20000417; US  
2000197577 20000417; US 2000197578 20000417; US 2000197579 20000417; US  
2000200508 20000428; US 2000200513 20000428; US 2000200639 20000428; US  
2000200640 20000428; US 2000200641 20000428; US 2000200647 20000428; US  
2000203175 20000508; US 2000203177 20000508; US 2000203182 20000508; US  
2000203244 20000508; US 2000204201 20000515; US 2000204200 20000515; US  
2000207126 20000525; US 2000207128 20000525; US 2000208105 20000526; US  
2000208390 20000530; US 2000208391 20000530; US 2000208392 20000530; US  
2000209471 20000605; US 2000210443 20000608; US 2000210445 20000608; US  
2000212696 20000619; US 2000215360 20000630; US 2000216237 20000705; US  
2000216238 20000705; US 2000217357 20000712; US 2000219234 20000718; US  
2000220276 20000724; US 2000221933 20000731; US 2000223877 20000808; US  
2000227112 20000822; US 2000229371 20000830; US 2000229648 20000831; US  
2000231105 20000908; US 2000231103 20000908; US 2000234883 20000925; US  
2000234895 20000925; US 2000239329 20001010; US 2000253362 20001127; US  
2000250332 20001129; US 2000254699 20001211; US 2001267350 20010208

19/TI,PR/10 (Item 7 from file: 349)  
DIALOG(R)File 349:(c) 2003 WIPO/Univentio. All rts. reserv.

WORKERS' COMPENSATION INFORMATION PROCESSING SYSTEM  
SYSTEME DE TRAITEMENT D'INFORMATIONS RELATIVES A L'INDEMNISATION POUR  
ACCIDENT DE TRAVAIL  
Priority Application: US 2000506432 20000217

19/TI,PR/11 (Item 8 from file: 349)  
DIALOG(R)File 349:(c) 2003 WIPO/Univentio. All rts. reserv.

PHYSICAL PRESENCE DIGITAL AUTHENTICATION SYSTEM (BROADCAST MEDIA)  
SYSTEME D'AUTHENTIFICATION NUMERIQUE DE PRESENCE PHYSIQUE (SUPPORTS DE  
RADIODIFFUSION)  
Priority Application: US 2000180530 20000207; US 2000570399 20000512

19/TI,PR/12 (Item 9 from file: 349)  
DIALOG(R)File 349:(c) 2003 WIPO/Univentio. All rts. reserv.

PHYSICAL PRESENCE DIGITAL AUTHENTICATION SYSTEM (SMART E-WALLET)  
SYSTEME D'AUTHENTIFICATION NUMERIQUE DE PRESENCE PHYSIQUE (PORTEFEUILLE

ELECTRONIQUE INTELLIGENT)

Priority Application: US 2000180530 20000207; US 2000570399 20000512

19/TI,PR/13 (Item 10 from file: 349)

DIALOG(R)File 349:(c) 2003 WIPO/Univentio. All rts. reserv.

PHYSICAL PRESENCE DIGITAL AUTHENTICATION SYSTEM (DEVICE-TO-DEVICE)  
SYSTEME D'AUTHENTIFICATION NUMERIQUE DE PRESENCE PHYSIQUE (DE DISPOSITIF A  
DISPOSITIF)

Priority Application: US 2000180530 20000207; US 2000570399 20000512

19/TI,PR/14 (Item 11 from file: 349)

DIALOG(R)File 349:(c) 2003 WIPO/Univentio. All rts. reserv.

PHYSICAL PRESENCE DIGITAL AUTHENTICATION SYSTEM (POINTS/CASH PURCHASING  
MECHANISM)  
SYSTEME D'AUTHENTIFICATION NUMERIQUE DE PRESENCE PHYSIQUE (MECANISME  
D'ACHAT PAR POINTS/EN ESPECES)

Priority Application: US 2000180530 20000207; US 2000570399 20000512

19/TI,PR/15 (Item 12 from file: 349)

DIALOG(R)File 349:(c) 2003 WIPO/Univentio. All rts. reserv.

PHYSICAL PRESENCE DIGITAL AUTHENTICATION SYSTEM (WEBPAGE-DEPENDENT  
ACTIVATION)  
SYSTEME D'AUTHENTIFICATION NUMERIQUE PAR PRESENCE PHYSIQUE (ACTIVATION  
DEPENDANTE D'UNE PAGE WEB)

Priority Application: US 2000180530 20000207; US 2000570399 20000512

19/TI,PR/16 (Item 13 from file: 349)

DIALOG(R)File 349:(c) 2003 WIPO/Univentio. All rts. reserv.

PHYSICAL PRESENCE DIGITAL AUTHENTICATION SYSTEM  
SYSTEME D'AUTHENTIFICATION NUMERIQUE DE PRESENCE PHYSIQUE

Priority Application: US 2000180530 20000207; US 2000570399 20000512

19/TI,PR/17 (Item 14 from file: 349)

DIALOG(R)File 349:(c) 2003 WIPO/Univentio. All rts. reserv.

SYSTEMS AND METHODS FOR IMPROVING VISUAL PERCEPTION  
SYSTEMES ET PROCEDES D'AMELIORATION DE LA PERCEPTION VISUELLE

Priority Application: IL 133758 19991227; US 2000642506 20000818; US  
2000711354 20001109

19/TI,PR/18 (Item 15 from file: 349)

DIALOG(R)File 349:(c) 2003 WIPO/Univentio. All rts. reserv.

SYSTEM AND METHOD OF AGGREGATE ELECTRONIC TRANSACTIONS WITH MULTIPLE  
SOURCES  
SYSTEME ET PROCEDE D'AGREGATION DE TRANSACTIONS ELECTRONIQUES A SOURCES  
MULTIPLES

Priority Application: US 99162125 19991029; US 99162129 19991029; US  
2000194027 20000403

19/TI,PR/19 (Item 16 from file: 349)

DIALOG(R)File 349:(c) 2003 WIPO/Univentio. All rts. reserv.

A SYSTEM, METHOD AND ARTICLE OF MANUFACTURE FOR A GLOBALLY ADDRESSABLE  
INTERFACE IN A COMMUNICATION SERVICES PATTERNS ENVIRONMENT

SYSTEME, PROCEDE ET ARTICLE DE FABRICATION S'APPLIQUANT DANS UN  
ENVIRONNEMENT DE STRUCTURE DE SERVICES DE COMMUNICATIONS VIA UNE  
INTERFACE ADRESSABLE GLOBALEMENT

Priority Application: US 99387214 19990831

19/TI,PR/20 (Item 17 from file: 349)

DIALOG(R)File 349:(c) 2003 WIPO/Univentio. All rts. reserv.

SYSTEM, METHOD, AND ARTICLE OF MANUFACTURE FOR AN EXCEPTION RESPONSE TABLE  
IN ENVIRONMENT SERVICES PATTERNS

SYSTEME, PROCEDE ET ARTICLE DE PRODUCTION DESTINES A UNE TABLE DE REPONSE  
D'EXCEPTION DANS DES CONFIGURATIONS DE SERVICES D'ENVIRONNEMENT

Priority Application: US 99387873 19990831

19/TI,PR/21 (Item 18 from file: 349)

DIALOG(R)File 349:(c) 2003 WIPO/Univentio. All rts. reserv.

A SYSTEM, METHOD AND ARTICLE OF MANUFACTURE FOR A HOST FRAMEWORK DESIGN IN  
AN E-COMMERCE ARCHITECTURE

SYSTEME, PROCEDE ET ARTICLE DE PRODUCTION DESTINES A LA CONCEPTION D'UNE  
STRUCTURE D'ORDINATEUR CENTRAL DANS UNE ARCHITECTURE DE COMMERCE  
ELECTRONIQUE

Priority Application: US 99364733 19990730

20/TI,PR/1 (Item 1 from file: 348)  
DIALOG(R)File 348:(c) 2003 European Patent Office. All rts. reserv.

Network usage analysis method and system using dynamic statistical data distribution  
Verfahren und System zur Analyse der Netzwerkauslastung mit dynamischer Verteilung von statistischen Daten  
Procede et systeme d'analyse d'utilisation d'un reseau, comportant la distribution dynamique de donnees statistiques  
PRIORITY (CC, No, Date): US 919149 010731

20/TI,PR/2 (Item 2 from file: 348)  
DIALOG(R)File 348:(c) 2003 European Patent Office. All rts. reserv.

Network usage analysis system and method for updating statistical models  
System und Verfahren zur Analyse der Auslastung von Netzwerken mit Aktualisierung statistischer Modelle  
Systeme et procede d'analyse d'utilisation d'un reseau, comportant l'actualisation de modeles statistiques  
PRIORITY (CC, No, Date): US 919527 010731

20/TI,PR/3 (Item 3 from file: 348)  
DIALOG(R)File 348:(c) 2003 European Patent Office. All rts. reserv.

Network usage analysis system and method for determining excess usage  
Verfahren und System zur Analyse der Netzwerkauslastung zur Bestimmung von Nutzungsüberschreitungen  
Systeme et procede d'analyse d'utilisation d'un reseau pour la determination d'usage excessif  
PRIORITY (CC, No, Date): US 919148 010731

20/TI,PR/4 (Item 4 from file: 348)  
DIALOG(R)File 348:(c) 2003 European Patent Office. All rts. reserv.

Internet usage analysis system and method  
System und Verfahren zur Analyse des Internetgebrauchs  
Systeme et methode d'analyse d'utilisation d' Internet  
PRIORITY (CC, No, Date): US 548124 000412

20/TI,PR/5 (Item 5 from file: 348)  
DIALOG(R)File 348:(c) 2003 European Patent Office. All rts. reserv.

System and method for managing data privacy in a database management system including a dependently connected privacy data mart  
System und Verfahren zum Verwalten der Datenvertraulichkeit in einem Datenbankverwaltungssystem mit einem abhangig verbundenen Vertraulichkeitsdatenmarkt  
Systeme et methode de gestion de la confidentialite des donnees dans un systeme de gestion de bases de donnees incluant un marche de donnees confidentielles connecte en dependance  
PRIORITY (CC, No, Date): US 411337 991001

20/TI,PR/6 (Item 6 from file: 348)  
DIALOG(R)File 348:(c) 2003 European Patent Office. All rts. reserv.

Privacy-enabled loyalty card system and method  
System und Verfahren fur Treuekarten mit Vertraulichkeit  
Systeme et methode pour des cartes de fidelite avec confidentialite  
PRIORITY (CC, No, Date): US 165457 981002

20/TI,PR/7 (Item 7 from file: 348)  
DIALOG(R)File 348:(c) 2003 European Patent Office. All rts. reserv.

Privacy-enhanced database  
Datenbank mit erhohter Vertraulichkeit  
Base de donnees avec une confidentialite elevee  
PRIORITY (CC, No, Date): US 165784 981002

20/TI,PR/8 (Item 8 from file: 348)  
DIALOG(R)File 348:(c) 2003 European Patent Office. All rts. reserv.

System and method for managing data privacy in a database management system  
System und Verfahren zur Verwaltung von Datenschutz in einem  
Datenverwaltungssystem  
Systeme et procede pour la gestion de protection de donnees dans un systeme  
de gestion de donnees  
PRIORITY (CC, No, Date): US 165777 981002

20/TI,PR/9 (Item 9 from file: 348)  
DIALOG(R)File 348:(c) 2003 European Patent Office. All rts. reserv.

Integrated data link controller with synchronous link interface and  
asynchronous host processor interface  
Integrierte Datenubertragungsstreckensteuerung mit synchroner  
Leitungsschnittstelle und asynchroner Host-Prozessor-Schnittstelle  
Dispositif integre de commande d'une voie de donnees avec interface  
synchrone de liaison et interface asynchrone avec le processeur hote  
PRIORITY (CC, No, Date): US 495810 900315

20/TI,PR/10 (Item 10 from file: 348)  
DIALOG(R)File 348:(c) 2003 European Patent Office. All rts. reserv.

Software work tool  
Software-Werkzeug  
Outil de travail logiciel  
PRIORITY (CC, No, Date): JP 90323765 901127

20/TI,PR/11 (Item 1 from file: 349)  
DIALOG(R)File 349:(c) 2003 WIPO/Univentio. All rts. reserv.

METHOD AND SYSTEM FOR DECISION SUPPORT ANALYSIS  
PROCEDE ET SYSTEME D'ANALYSE D'AIDE A LA DECISION  
Priority Application: US 2001827969 20010404

20/TI,PR/12 (Item 2 from file: 349)  
DIALOG(R)File 349:(c) 2003 WIPO/Univentio. All rts. reserv.

ONE-STEP DATA MINING WITH NATURAL LANGUAGE SPECIFICATION AND RESULTS  
EXPLORATION EN PROFONDEUR DE DONNEES EN UNE ETAPE AVEC SPECIFICATIONS EN  
LANGAGE NATUREL ET RESULTATS  
Priority Application: US 2001274008 20010307; US 2001945530 20010830; US  
2001942435 20011116

20/TI,PR/13 (Item 3 from file: 349)  
DIALOG(R)File 349:(c) 2003 WIPO/Univentio. All rts. reserv.

SPORT ANALYSIS SYSTEM AND METHOD  
PROCEDE ET SYSTEME D'ANALYSE POUR LE SPORT  
Priority Application: GB 20015421 20010306

20/TI,PR/14 (Item 4 from file: 349)  
DIALOG(R)File 349:(c) 2003 WIPO/Univentio. All rts. reserv.

A SYSTEM AND A METHOD FOR PERSON'S IDENTITY AUTHENTICATION  
SYSTEME ET PROCEDE D'AUTHENTIFICATION D'IDENTITE DE PERSONNE  
Priority Application: IL 141389 20010212

20/TI,PR/15 (Item 5 from file: 349)  
DIALOG(R)File 349:(c) 2003 WIPO/Univentio. All rts. reserv.

ENTERPRISE WEB MINING SYSTEM AND METHOD  
SYSTEME D'ENTREPRISE D'EXPLORATION EN PROFONDEUR DE RESEAU ET PROCEDE  
Priority Application: US 2000235926 20000928; US 2001963401 20010927

20/TI,PR/16 (Item 6 from file: 349)  
DIALOG(R)File 349:(c) 2003 WIPO/Univentio. All rts. reserv.

METHOD, SYSTEM, APPARATUS AND DEVICE FOR DISCOVERING AND PREPARING CHEMICAL  
COMPOUNDS FOR MEDICAL AND OTHER USES.  
PROCEDE, SYSTEME, APPAREIL ET DISPOSITIF PERMETTANT DE DECOUVRIR ET DE  
PREPARER DES COMPOSES CHIMIQUES DESTINES A DES UTILISATIONS MEDICALES  
OU A D'AUTRES UTILISATIONS  
Priority Application: US 2000232626 20000914; US 2001260867 20010112; US  
2001272774 20010305; US 2001294563 20010601; US 2001298900 20010619

20/TI,PR/17 (Item 7 from file: 349)  
DIALOG(R)File 349:(c) 2003 WIPO/Univentio. All rts. reserv.

SYSTEM AND METHOD FOR ORDERING AND DELIVERING MEDIA CONTENT  
SYSTEME ET PROCEDE PERMETTANT DE COMMANDER ET DE DISTRIBUER DES CONTENUS  
MEDIAS  
Priority Application: US 2000232333 20000913

20/TI,PR/18 (Item 8 from file: 349)  
DIALOG(R)File 349:(c) 2003 WIPO/Univentio. All rts. reserv.

SYSTEM AND METHOD FOR PERSONALIZATION IMPLEMENTED ON MULTIPLE NETWORKS AND  
MULTIPLE INTERFACES  
SYSTEME ET PROCEDE POUR LA PERSONNALISATION, AVEC MISE EN OEUVRE SUR  
RESEAUX ET INTERFACES MULTIPLES  
Priority Application: US 2000230544 20000905

20/TI,PR/19 (Item 9 from file: 349)  
DIALOG(R)File 349:(c) 2003 WIPO/Univentio. All rts. reserv.

VISUALIZATION AND MANIPULATION OF BIOMOLECULAR RELATIONSHIPS USING GRAPH  
OPERATORS  
VISUALISATION ET MANIPULATION DE RELATIONS BIOMOLECULAIRES A L'AIDE  
D'OPERATEURS GRAPHIQUES  
Priority Application: US 2000221707 20000731

20/TI,PR/20 (Item 10 from file: 349)  
DIALOG(R)File 349:(c) 2003 WIPO/Univentio. All rts. reserv.

USER SERVICES AND INFORMATION MANAGEMENT SYSTEM AND METHOD  
SYSTEME ET PROCEDE DE GESTION DES SERVICES ET INFORMATION A DES  
UTILISATEURS  
Priority Application: US 2000213462 20000623

20/TI,PR/21 (Item 11 from file: 349)  
DIALOG(R)File 349:(c) 2003 WIPO/Univentio. All rts. reserv.

**SITE INFORMATION SYSTEM AND METHOD**  
**SYSTEME ET PROCEDE D'INFORMATIONS RELATIVES A UN SITE**  
Priority Application: US 2000213462 20000623

20/TI,PR/22 (Item 12 from file: 349)  
DIALOG(R)File 349:(c) 2003 WIPO/Univentio. All rts. reserv.

**ROTATING EQUIPMENT DIAGNOSTIC SYSTEM AND ADAPTIVE CONTROLLER**  
**SYSTEME DE DIAGNOSTIQUE D'EQUIPEMENT ROTATIF ET UNITE DE COMMANDE ADAPTIVE**  
Priority Application: US 2000212392 20000619

20/TI,PR/23 (Item 13 from file: 349)  
DIALOG(R)File 349:(c) 2003 WIPO/Univentio. All rts. reserv.

**INTERACTIVE ORTHODONTIC CARE SYSTEM BASED ON INTRA-ORAL SCANNING OF TEETH**  
**SYSTEME DE SOIN ORTHODONTIQUE INTERACTIF BASE SUR L'ANALYSE INTRA-BUCCALE**  
**DES DENTS**

Priority Application: US 2000552189 20000419; US 2000552190 20000419; US  
2000560127 20000428; US 2000560128 20000428; US 2000560129 20000428; US  
2000560130 20000428; US 2000560131 20000428; US 2000560132 20000428; US  
2000560133 20000428; US 2000560134 20000428; US 2000560583 20000428; US  
2000560584 20000428; US 2000560640 20000428; US 2000560641 20000428; US  
2000560642 20000428; US 2000560643 20000428; US 2000560644 20000428; US  
2000560645 20000428; US 2000560646 20000428; US 2000560647 20000428; US  
2000613093 20000428; US 2000616093 20000428; US 2000616093 20000713

20/TI,PR/24 (Item 14 from file: 349)  
DIALOG(R)File 349:(c) 2003 WIPO/Univentio. All rts. reserv.

**INTERACTIVE TOY APPLICATIONS**  
**APPLICATIONS POUR JOUETS INTERACTIFS**

Priority Application: US 2000192011 20000324; US 2000192012 20000324; US  
2000192013 20000324; US 2000192014 20000324; US 2000193697 20000331; US  
2000193699 20000331; US 2000193702 20000331; US 2000193703 20000331; US  
2000193704 20000331; US 2000195861 20000407; US 2000195862 20000407; US  
2000195863 20000407; US 2000195864 20000407; US 2000195865 20000407; US  
2000195866 20000407; US 2000196227 20000410; US 2000197573 20000417; US  
2000197576 20000417; US 2000197577 20000417; US 2000197578 20000417; US  
2000197579 20000417; US 2000200508 20000428; US 2000200513 20000428; US  
2000200639 20000428; US 2000200640 20000428; US 2000200641 20000428; US  
2000200647 20000428; US 2000203175 20000508; US 2000203177 20000508; US  
2000203182 20000508; US 2000203244 20000508; US 2000204201 20000515; US  
2000204200 20000515; US 2000207126 20000525; US 2000207128 20000525; US  
2000208105 20000526; US 2000208390 20000530; US 2000208391 20000530; US  
2000208392 20000530; US 2000209471 20000605; US 2000210443 20000608; US  
2000210445 20000608; US 2000212696 20000619; US 2000215360 20000630; US  
2000216237 20000705; US 2000216238 20000705; US 2000217357 20000712; US  
2000219234 20000718; US 2000220276 20000724; US 2000221933 20000731; US  
2000223877 20000808; US 2000227112 20000822; US 2000229371 20000830; US  
2000229648 20000831; US 2000231105 20000908; US 2000231103 20000908; US  
2000234883 20000925; US 2000234895 20000925; US 2000239329 20001010; US  
2000253362 20001127; US 2000250332 20001129; US 2000254699 20001211; US  
2001267350 20010208

20/TI,PR/25 (Item 15 from file: 349)  
DIALOG(R)File 349:(c) 2003 WIPO/Univentio. All rts. reserv.

**A SYSTEM AND METHOD FOR ANALYZING A QUERY AND GENERATING RESULTS AND**

RELATED QUESTIONS  
SYSTEME ET PROCEDE D'ANALYSE D'UNE INTERROGATION ET DE GENERATION DE  
RESULTATS ET DE QUESTIONS APPARENTEES  
Priority Application: US 2000189925 20000316

20/TI,PR/26 (Item 16 from file: 349)  
DIALOG(R)File 349:(c) 2003 WIPO/Univentio. All rts. reserv.

207 HUMAN SECRETED PROTEINS  
207 PROTEINES HUMAINES SECRETEES  
Priority Application: US 2000184836 20000224; US 2000193170 20000329

20/TI,PR/27 (Item 17 from file: 349)  
DIALOG(R)File 349:(c) 2003 WIPO/Univentio. All rts. reserv.

IMPROVED DATABASE ACCESS SYSTEM  
SYSTEME D'ACCES A DES BASES DE DONNEES AMELIORE  
Priority Application: US 2000182840 20000216

20/TI,PR/28 (Item 18 from file: 349)  
DIALOG(R)File 349:(c) 2003 WIPO/Univentio. All rts. reserv.

NUCLEIC ACIDS, PROTEINS, AND ANTIBODIES  
ACIDES NUCLEIQUES, PROTEINES ET ANTICORPS

Priority Application: US 2000179065 20000131; US 2000180628 20000204; US  
2000184664 20000224; US 2000186350 20000302; US 2000189874 20000316; US  
2000190076 20000317; US 2000198123 20000418; US 2000205515 20000519; US  
2000209467 20000607; US 2000214886 20000628; US 2000215135 20000630; US  
2000216647 20000707; US 2000216880 20000707; US 2000217487 20000711; US  
2000217496 20000711; US 2000218290 20000714; US 2000220963 20000726; US  
2000220964 20000726; US 2000225757 20000814; US 2000225270 20000814; US  
2000225447 20000814; US 2000225267 20000814; US 2000225758 20000814; US  
2000225268 20000814; US 2000224518 20000814; US 2000224519 20000814; US  
2000225759 20000814; US 2000225213 20000814; US 2000225266 20000814; US  
2000225214 20000814; US 2000226279 20000818; US 2000226868 20000822; US  
2000227182 20000822; US 2000226681 20000822; US 2000227009 20000823; US  
2000228924 20000830; US 2000229344 20000901; US 2000229343 20000901; US  
2000229287 20000901; US 2000229345 20000901; US 2000229513 20000905; US  
2000229509 20000905; US 2000230438 20000906; US 2000230437 20000906; US  
2000231413 20000908; US 2000232080 20000908; US 2000231414 20000908; US  
2000231244 20000908; US 2000232081 20000908; US 2000231242 20000908; US  
2000231243 20000908; US 2000231968 20000912; US 2000232401 20000914; US  
2000232399 20000914; US 2000232400 20000914; US 2000232397 20000914; US  
2000233063 20000914; US 2000233064 20000914; US 2000233065 20000914; US  
2000232398 20000914; US 2000234223 20000921; US 2000234274 20000921; US  
2000234997 20000925; US 2000234998 20000925; US 2000235484 20000926; US  
2000235834 20000927; US 2000235836 20000927; US 2000236369 20000929; US  
2000236327 20000929; US 2000236370 20000929; US 2000236368 20000929; US  
2000236367 20000929; US 2000237039 20001002; US 2000237038 20001002; US  
2000237040 20001002; US 2000237037 20001002; US 2000236802 20001002; US  
2000239937 20001013; US 2000239935 20001013; US 2000241785 20001020; US  
2000241809 20001020; US 2000240960 20001020; US 2000241787 20001020; US  
2000241808 20001020; US 2000241221 20001020; US 2000241786 20001020; US  
2000241826 20001020; US 2000244617 20001101; US 2000246474 20001108; US  
2000246532 20001108; US 2000246476 20001108; US 2000246526 20001108; US  
2000246475 20001108; US 2000246525 20001108; US 2000246528 20001108; US  
2000246527 20001108; US 2000246477 20001108; US 2000246611 20001108; US  
2000246610 20001108; US 2000246613 20001108; US 2000246609 20001108; US  
2000246478 20001108; US 2000246524 20001108; US 2000246523 20001108; US  
2000249299 20001117; US 2000249210 20001117; US 2000249216 20001117; US  
2000249217 20001117; US 2000249211 20001117; US 2000249215 20001117; US  
2000249218 20001117; US 2000249208 20001117; US 2000249213 20001117; US  
2000249212 20001117; US 2000249207 20001117; US 2000249245 20001117; US

2000249244 20001117; US 2000249297 20001117; US 2000249214 20001117; US  
2000249264 20001117; US 2000249209 20001117; US 2000249300 20001117; US  
2000249265 20001117; US 2000250391 20001201; US 2000250160 20001201; US  
2000256719 20001205; US 2000251030 20001205; US 2000251988 20001205; US  
2000251479 20001206; US 2000251869 20001208; US 2000251856 20001208; US  
2000251868 20001208; US 2000251990 20001208; US 2000251989 20001208; US  
2000254097 20001211; US 2001259678 20010105

20/TI,PR/29 (Item 19 from file: 349)  
DIALOG(R)File 349:(c) 2003 WIPO/Univentio. All rts. reserv.

A METHOD FOR EXECUTING A NETWORK-BASED CREDIT APPLICATION PROCESS  
PROCEDE DE MISE EN OEUVRE D'UN PROCESSUS DE DEMANDE DE CREDIT EN RESEAU  
Priority Application: US 99470805 19991222; US 99469525 19991222; US  
99470039 19991222

20/TI,PR/30 (Item 20 from file: 349)  
DIALOG(R)File 349:(c) 2003 WIPO/Univentio. All rts. reserv.

METHOD AND SYSTEM FOR EMPLOYMENT PLACEMENT  
PROCEDE ET SYSTEME DE PLACEMENT DE PERSONNEL  
Priority Application: US 99170352 19991213

20/TI,PR/31 (Item 21 from file: 349)  
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PROGRAMS AND METHODS FOR THE DISPLAY, ANALYSIS AND MANIPULATION OF  
MULTI-DIMENSION DATA IMPLEMENTED ON A COMPUTER  
PROGRAMMES ET PROCEDE D'AFFICHAGE, D'ANALYSE ET DE MANIPULATION DE DONNEES  
MULTIDIMENSIONNELLES EXECUTES SUR UN ORDINATEUR  
Priority Application: US 99165427 19991115; US 2000189925 20000316

20/TI,PR/32 (Item 22 from file: 349)  
DIALOG(R)File 349:(c) 2003 WIPO/Univentio. All rts. reserv.

INVESTMENT ADVICE SYSTEMS AND METHODS  
SYSTEMES ET PROCEDES DE CONSEIL EN INVESTISSEMENTS  
Priority Application: US 99161258 19991025

20/TI,PR/33 (Item 23 from file: 349)  
DIALOG(R)File 349:(c) 2003 WIPO/Univentio. All rts. reserv.

METHOD OF DYNAMICALLY RECOMMENDING WEB SITES AND ANSWERING USER QUERIES  
BASED UPON AFFINITY GROUPS  
PROCEDE PERMETTANT DE RECOMMANDER DE MANIERE DYNAMIQUE DES SITES WEB ET  
DE REPENDRE A DES REQUETES D'UTILISATEURS REPARTIS PAR GROUPES  
D'AFFINITE  
Priority Application: US 99157632 19991004

20/TI,PR/34 (Item 24 from file: 349)  
DIALOG(R)File 349:(c) 2003 WIPO/Univentio. All rts. reserv.

A SYSTEM, METHOD AND ARTICLE OF MANUFACTURE FOR A LOCALLY ADDRESSABLE  
INTERFACE IN A COMMUNICATION SERVICES PATTERNS ENVIRONMENT  
SYSTEME, PROCEDE ET ARTICLE DE PRODUCTION METTANT EN OEUVRE UNE INTERFACE  
ADRESSABLE LOCALEMENT DANS UN ENVIRONNEMENT DE CONFIGURATIONS DE  
SERVICES DE COMMUNICATION  
Priority Application: US 99387064 19990831

20/TI,PR/35 (Item 25 from file: 349)  
DIALOG(R)File 349:(c) 2003 WIPO/Univentio. All rts. reserv.

SYSTEM, METHOD, AND ARTICLE OF MANUFACTURE FOR A REQUEST SORTER IN A  
TRANSACTION SERVICES PATTERNS ENVIRONMENT  
SYSTEME, PROCEDE ET ARTICLE DE FABRICATION APPLIQUES DANS UN TRIEUR DE  
REQUETES D'UN ENVIRONNEMENT DE STRUCTURES DE SERVICES DE TRANSACTIONS  
Priority Application: US 99386715 19990831

20/TI,PR/36 (Item 26 from file: 349)  
DIALOG(R)File 349:(c) 2003 WIPO/Univentio. All rts. reserv.

A SYSTEM, METHOD AND ARTICLE OF MANUFACTURE FOR DETERMINING CAPABILITY  
LEVELS OF A MONITORING PROCESS AREA FOR PROCESS ASSESSMENT PURPOSES IN  
AN OPERATIONAL MATURITY INVESTIGATION  
SYSTEME, PROCEDE ET ARTICLE MANUFACTURE POUR DETERMINER LES NIVEAUX DE  
CAPACITE D'UNE ZONE DE PROCESSUS DE SURVEILLANCE A DES FINS  
D'EVALUATION DE PROCESSUS DANS UNE ETUDE DE MATURETE OPERATIONNELLE  
Priority Application: US 99361622 19990726

20/TI,PR/37 (Item 27 from file: 349)  
DIALOG(R)File 349:(c) 2003 WIPO/Univentio. All rts. reserv.

IMPROVED SCALABLE ARCHITECTURE AND METHODS FOR E-COMMERCE APPLICATIONS IN A  
CLUSTERED COMPUTER SYSTEM  
ARCHITECTURE A GEOMETRIE VARIABLE AMELIOREE ET PROCEDES POUR DES  
APPLICATIONS DE COMMERCE ELECTRONIQUE DANS UN SYSTEME INFORMATIQUE EN  
GRAPPE  
Priority Application: US 99346155 19990630; US 99346074 19990630; US  
99346000 19990630; US 99345250 19990630; US 99344266 19990630

20/TI,PR/38 (Item 28 from file: 349)  
DIALOG(R)File 349:(c) 2003 WIPO/Univentio. All rts. reserv.

143 HUMAN SECRETED PROTEINS  
143 PROTEINES HUMAINES SECRETEES  
Priority Application: US 99134068 19990513

20/TI,PR/39 (Item 29 from file: 349)  
DIALOG(R)File 349:(c) 2003 WIPO/Univentio. All rts. reserv.

DESCRIPTOR FOR A VIDEO SEQUENCE AND IMAGE RETRIEVAL SYSTEM USING SAID  
DESCRIPTOR  
DESCRIPTEUR POUR UNE SEQUENCE VIDEO ET SYSTEME DE RECUPERATION D'IMAGES  
UTILISANT LEDIT DESCRIPTEUR  
Priority Application: EP 99400219 19990201

20/TI,PR/40 (Item 30 from file: 349)  
DIALOG(R)File 349:(c) 2003 WIPO/Univentio. All rts. reserv.

AN OBJECT MANAGEMENT SYSTEM SUPPORTING THE USE OF APPLICATION DOMAIN  
KNOWLEDGE MAPPED TO TECHNOLOGY DOMAIN KNOWLEDGE  
SYSTEME DE GESTION D'OBJETS PERMETTANT LA MISE EN CORRESPONDANCE DE  
CONNAISSANCES DE DOMAINES D'APPLICATIONS AVEC DES CONNAISSANCES DE  
DOMAINES DE TECHNOLOGIES  
Priority Application: US 98173095 19981014

20/TI,PR/41 (Item 31 from file: 349)  
DIALOG(R)File 349:(c) 2003 WIPO/Univentio. All rts. reserv.

DATA PROCESSING SYSTEM  
SYSTEME DE TRAITEMENT DE DONNEES  
Priority Application: GB 9819389 19980904

20/TI,PR/42 (Item 32 from file: 349)  
DIALOG(R)File 349:(c) 2003 WIPO/Univentio. All rts. reserv.

METHOD AND APPARATUS FOR GENERATING MUSICAL EFFECTS  
PROCEDE ET APPAREIL DE GENERATION D'EFFETS MUSICAUX  
Priority Application: US 9872918 19980128; US 9872919 19980128; US  
9872921 19980128; US 9872922 19980128

20/TI,PR/43 (Item 33 from file: 349)  
DIALOG(R)File 349:(c) 2003 WIPO/Univentio. All rts. reserv.

SYSTEM AND METHOD FOR DYNAMIC PROFILING OF USERS IN ONE-TO-ONE APPLICATIONS  
AND FOR VALIDATING USER RULES  
SYSTEME ET PROCEDE D'ETABLISSEMENT DYNAMIQUE DE PROFIL UTILISATEUR DANS DES  
APPLICATIONS BIUNIVOQUES ET DE VALIDATION DE REGLES UTILISATEUR  
Priority Application: US 97970359 19971114

20/TI,PR/44 (Item 34 from file: 349)  
DIALOG(R)File 349:(c) 2003 WIPO/Univentio. All rts. reserv.

IMPROVEMENTS IN, OR RELATING TO, ELECTRONIC PAYMENT SYSTEMS  
AMELIORATIONS CONCERNANT DES SYSTEMES DE PAIEMENT ELECTRONIQUE  
Priority Application: SE 974078 19971107

20/TI,PR/45 (Item 35 from file: 349)  
DIALOG(R)File 349:(c) 2003 WIPO/Univentio. All rts. reserv.

ALLELIC POLYGENE DIAGNOSIS OF REWARD DEFICIENCY SYNDROME AND TREATMENT  
DIAGNOSTIC D'UN SYNDROME D'INSATISFACTION A L'AIDE DE POLYGENE ALLELIQUE ET  
TRAITEMENT ASSOCIE  
Priority Application: US 9744394 19970429

20/TI,PR/46 (Item 36 from file: 349)  
DIALOG(R)File 349:(c) 2003 WIPO/Univentio. All rts. reserv.

METHOD AND SYSTEM FOR ANALYSIS OF LONG TERM PHYSIOLOGICAL POLYGRAPHIC  
RECORDINGS  
PROCEDE ET SYSTEME POUR L'ANALYSE D'ENREGISTREMENTS POLYGRAPHIQUES  
PHYSIOLOGIQUES A LONG TERME  
Priority Application: US 87765 19870626

20/TI,PR/47 (Item 37 from file: 349)  
DIALOG(R)File 349:(c) 2003 WIPO/Univentio. All rts. reserv.

AUTOMATED PCB ANALYZER SYSTEM  
SYSTEME D'ANALYSE AUTOMATIQUE DE BIPHENYLES POLYCHLORES  
Priority Application: WO 83US325 19830307

20/3,K/41 (Item 31 from file: 349)  
DIALOG(R) File 349:PCT FULLTEXT  
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00551280 \*\*Image available\*\*

**DATA PROCESSING SYSTEM**

**SYSTEME DE TRAITEMENT DE DONNEES**

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Patent and Priority Information (Country, Number, Date):

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Application: WO 98GB3440 19981116 (PCT/WO GB9803440)

Priority Application: GB 9819389 19980904

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US UZ VN YU ZW GH GM KE LS MW SD SZ UG ZW AM AZ BY KG KZ MD RU TJ TM AT

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Detailed Description

Claims

**Detailed Description**

... vast volume of data of various types. For example, a business may generate daily files **containing** records itemising every sale through every outlet; records itemising stock orders and inventories; records itemising taxes paid, and so on. As each process undertaken **within** an organisation is automated, the volume of data available in **electronic** form increases.

It would be desirable to collect all such data for analysis. To maintain ...

...as "warehousing" the data - i.e. storing it in a data "warehouse" - a large store **containing** one or more databases of such records.

However, the formats used for sales records differ...

...records, for example. It is therefore difficult to combine the data from such different sources **within** an organisation (or across organisations). It might be thought possible to use a common format...

...in different territories.

Finally, existing organisations (especially large organisations) actually change their structures over time - **incorporating** new components (with new record systems) and divesting components over time, or changing internal organisational...

...the tables loaded via the loading routines are then merged on the basis of an **integrated** data model (i.e. a model which allows combination of the data from different stored transactions, using data reflecting the structure of the organisation and/or the transactions). The **integrated** data model is pre-structured in accordance with the business requirements, and the format of the source data of the external data sources.

The **integrated** data model is inflexible, i.e. it is designed to contain

only data corresponding to...

...are employed respectively. The data in the database 2 is represented in accordance with an **integrated** data model 10. In order to convert the loaded data from its source data model representation into the **integrated** data model representation, a separate loading routine 7, 8 and 9 for each external data source 4, 5 and 6, respectively, is required. The **integrated** data model 10 is specifically designed for the inclusion of data from the external data...from an additional external database is to be included in the database 2, a new **integrated** data model 10 has to be designed.

Data queries 3 are created in order to...

...database is populated, any changes to the business requirements, for example, on which basis the **integrated** data model is designed requires a new **integrated** data model to be created. Such a new **integrated** data model can be created redesigning the existing **integrated** data model, defining the (new and old) data sources from which data is to be...

...however, new entities which reflect the change in business requirements are added to the existing **integrated** data model without changing the existent data. This can lead to a discrepancy between the...connections 23a, 23b and 23c, respectively (for example forming part of a Local Area Network ( **LAN** )). Also, the server 21 is connected to databases 24a and 24b through connections 25a and 25b, respectively (for example forming part of a Wide Area Network ( **WAN** )). The databases 24a and 24b serve for collecting external data 1 5 (illustrated by arrows...is classified as reference data, transaction data and the metadata. All three types are held **within** particular defined tables **within** an available database program (for example, OracleTM) in the storage device of the server 21...

...respective business entities, and the associations between them. A business entity is an identifiable thing **within** the business to which costs, sales and other information resulting from individual business transactions (held...

...defines a type of data item (also known as a measure). Examples include "sales volume", " **net** proceeds", etc.

A measure may be defined as a stored formula calculated from one or...

...typically only be analysed over one. Many of the entities correspond to parties to transactions **within** the transaction data (e.g. the buyer or the seller, or parts thereof). In addition...e.g. multiplication by a constant to convert between two units of weight) are stored **within** the system. If the selected unit is different from the associated unit, then the stored...

...product sales, a section for bulk sales, a section for inventory records and so on. **Within** each, periodically, new transaction records are loaded from the external data 5 sources as discussed...

...This is illustrated by Figures 8a and 8b.

Figure 8a shows a reference data element **containing** fields 80 and 81. Field 80 holds the actual reference data entry such as...

...data element (see field 81 in Figure 8a). For example, association 75 of Figure 7 **contains** the identifiers of the brand manager 71 and the brand family 72.

The period of...stored in field 93. In addition, the map table row comprises fields 94 and 95 **containing** reference data elements which are also included in the hierarchical structure, namely the product name...

...measures.

The purpose of the metadata is to provide a catalogue of what information is **contained** in the data processing system, to find data in the data processing system, and to...been input at the workstations 22, the metadata is stored in the OracleTm database held **within** the storage device (e.g. large capacity disk device) of the server 2 1.

Loading...the way discussed in connection with Figures 6 to 8b, in the OracleTm database held **within** the storage device (e.g. large capacity disk device) of the server 2 1.

On...

...then the user may also select whether or not the reference data to be loaded **contains** any details for that parent class of reference data.

As set out in connection with Figures 8a and 8b, each object **contained** in the I 0 data processing system may be associated with a period of validity...

...of validity is set on loading of the reference data. By default, the start date **contained** in each reference data element is defined as the date of loading. However, the start...data processing system identifies against which reference a transaction is measured and generates the pointers **contained** in a transaction data item as shown in Figure 5.

Accordingly, each stored transaction data...

...the input devices of the workstation, to browse the stored metadata and reference data held **within** the server 21, and to generate the graphic display of Figures 17 or 18.

The...

...compared with the periods of validity of each association, and those for which it lies **within** the period are utilised for analysis as discussed below.

Particular typical hierarchical structures

As an...adapted if the new product is classified differently. In contrast, the new product is simply **incorporated** in the existing hierarchy since the data model supports a variable depth classification of the...

...arranged in a hierarchy, but are not allocated hierarchically arranged different classes of business data **within** the metadata; instead, all are instances of the same class. For example a single metadata...

...to select and combine data from across multiple transaction datasets in order to generate a **virtual** hypercube for subsequent use by an analysis tool such as Microsoft ExcelTM. The different selected...

...some way.

Also, the user may select transaction datasets from different underlying classes of transaction **containing** different measures, but which are analysed against one or more common dimensions.

Referring to Figure...and to determine whether, and how, the analysis can be performed.

If all transaction records **containing** a reference to that product also contain a reference to the desired measure (price) and...

...the possible options in order to select the set of sources which will, (where necessary **within** a predetermined margin of uncertainty), most

cheaply (in terms of processing overhead) satisfy the requirement...for example).

3. The query definition may also define for each class of business entity **incorporated** in the query definition which attributes (that is identifiers, descriptors and other I O associated...

...of time to be covered by the query.

7. The following definition of the phrase '... **contained** in a transaction dataset' will apply in the descriptions that follow thereafter.

8. A class of business entity is said to be **contained** in a transaction dataset if any one of the following conditions hold.

0 It is...

...a dimension.

0 It is a parent of a class of business entity that is **contained** in that transaction dataset.

0 It is a subtype of a class of business entity that is **contained** in that transaction dataset.

9. A class of data item is said to be **contained** in a transaction dataset if any one of the 15 following conditions hold.

It...

...is a class of data item derivable by formula from other classes of data item **contained** in that transaction dataset.

It is a class of data item derivable by aggregation and the underlying class of data item is **contained** in that transaction dataset and each business entity against which the underlying class of data item may be aggregated is classified in terms of a class of business entity **contained** in that transaction dataset.

10. If a class of data item is directly or indirectly...

...transaction dataset. In such a case a class of data item is said to be **contained** in a set of transaction datasets if all of the following conditions apply.

0 It...item directly or indirectly derivable from other classes of data item each of which is **contained** in one of that set of transaction datasets.

No member of that set of transaction...

...any step that follows, and when the condition of a class of business entity being **contained** within a transaction dataset is being tested for, that condition is regarded as being satisfied in respect of that set of transaction datasets if that class of business entity is **contained** in each one of that set of transaction datasets.

I 1. Initially, but subject to...

...all classes of data item and all classes of business entity are available to be **incorporated** into the query definition subject to the following two provisos.

12. A class of data item is only available to be **incorporated** if it is **contained** in one or more transaction datasets or sets of transaction datasets.

13. A class of business entity is only available to be **incorporated** if

it is **contained** in one or more transaction datasets or sets of transaction datasets.

14. Initially the user may **incorporate** any available class of data item or class of business entity into the query definition.

15. The act of **incorporating** a class of data item or class of business entity into a query definition will...

...or the set of classes of data item respectively that are then available to be **incorporated** into that query definition.

16. The system recomputes the set of available classes of business...

...the 'viable measures' after any class of data item or class of business entity is **incorporated** or unincorporated in the query definition.

17. When defining the query definition in an interactive...

...dimensions to guide and assist in the process of selecting suitable measures and dimensions for **incorporation** into the query.

18. A class of data item is regarded as a viable measure for **incorporation** in the query definition if it is **contained** in one or more transaction datasets or sets of transactions datasets in each of which for each class of business entity **incorporated** in the query definition that class of business entity is **contained** in that transaction dataset or set of transaction datasets.

19. A class of data item...

...viable measure if it is a nontemporal class of data and if the query definition **incorporates** a dimension that is temporal. A nontemporal class of data item is one whose values...

...with time.

20. A class of business entity is regarded as a viable dimension for **incorporation** in the query definition if, for each class of data item that is **incorporated** in the query definition, there exists one or more transactions datasets or sets of transaction...

...of transaction datasets the following conditions all apply.

0 That class of data item is **contained within** that transaction dataset or set of transaction datasets.

0 That class of business entity is **contained within** that transaction dataset or set of transaction datasets.

0 Each class of business entity that is **incorporated** in the query definition is **contained within** that transaction dataset or set of transaction datasets.

I 0 21. A class of business...

...dimension if it is a temporal class of business entity and if the query definition **incorporates** a measure that is a non-temporal class of data item.

22. The system allows the end user to **incorporate** any number of viable classes of business entity and viable classes of business entity into the query definition 1 5 provided that the completed query definition **contains** at least one dimension and at least one measure (except that for some purposes it...

...two or more dimensions but no measures).

23. When a class of business entity is **incorporated** 'in a query

definition the system will also recursively **incorporate** the class of business entity, if one exists, that is the 'principal parent' of that class of business entity.

24. The system requires that if the query definition **incorporates** temporal measures it must also **incorporate** a temporal dimension. Such a query is referred to as a 'temporal query'.

25. Zero...

...entity is classified in terms of a class of business entity that is.

0 Already **incorporated** in the query definition, or.

0 Is a viable dimension.

27. **Incorporating** a constraint of this form causes the corresponding class of business entity to be treated as if it were **incorporated** in the query definition in terms of computing the set of viable measures.

28. It...be analysed against the specified class of business entity, 1 0 if the transaction dataset **contains** neither that class of business entity nor any from which it may be derived nor...

...either direction).

1 5 0 The measure may be partially analysed, if the transaction dataset **contains** a class of business entity that is derivable from the specified class of business entity (that is, a path exists **within** the dimensional hierarchy from the specified class of business entity to a business entity in...

...against the specified class of business entity, either because that class of business entity is **within** the transaction dataset or because a path exists in the dimensional hierarchy from a class of business entity **within** the analysis dataset to the specified class of business entity.

3. The above scoring function...

...of all possible sets that will provide the closest approach to the requested analysis which **contains** the lowest number of rows to be scanned. The algorithm presented here may equally be...data item might be sourced.

Step 2003 - Prune Formula Evaluation Trees

1. If the query **contains** any formula evaluation trees they should be processed to prune out suboptimum evaluation routes. This...

...hypercube.

2. The database tables on which the resultant queries will operate include.

The tables **containing** the individual transaction datasets as identified by the previous part of the process. A transaction dataset **contains** .

Columns **containing** values corresponding to classes of data item.

0 Columns **containing** references to the currency or unit of measure in which an individual value is denominated.

Columns **containing** references to business entities belonging to specified classes of business entity. For a temporal transaction dataset this will include a column **containing** references to the period of time to which the transaction or summary transaction applies.

A column **containing** the transaction dates on which individual transactions took place or are deemed to have taken...essence a mapping table is generated for each dimensional hierarchy. In outline a mapping table **contains** .

A column **containing** references to the business entities in the dimension.

A pair of columns that together determine periods of time.

Columns **containing** references to business entities belonging to individual classes of business entity in the dimensional hierarchy...

...relationships with other business entities above it I 0 in the dimensional hierarchy.

The tables **containing** individual transaction datasets that contain sets of currency exchange rates and conversions between units of...of validity, and individual datasets can be considered to cover a "temporal period" which falls **within** the temporal periods of validity of the applicable relationships in the data model. Note that...

...of the invention permit datasets to relate to different subsets of the entity class relationships **contained** in the data model regardless of time, as long as there is some way of...

...the invention can be used to warehouse and analyse data that derive from diverse departments **within** a large organisation, each of which provides its data according to a different business organisational...

...as at least including those entity class relationships that relate to entity classes which are " **contained** " (as that term is defined elsewhere herein) in the dataset, and whose temporal periods of...

#### Claim

... for the selected entities, selecting the entity relationships which have associated historical periods of validity **within** which said analysis date lies; and selecting said subset using those selected entity relationships.

5...

...record in accordance with the relationships between entities which have associated historical periods of validity **within** which the date of that operation record lies.

8 The system of claim 1, wherein...

...each past or present relationship between a pair of said entities; each said entity record **containing** data representing its historical period of validity.

11 The system of any preceding claim, wherein...

...processor is programmed to:  
input a historical analysis period; and  
determine, for said operation records **within** said period, if said operation records relate to said selected entities throughout the whole of...

...records. 1 5 16. The system of any preceding claim in which said storage means **contains** multiple sets of said operation records, each said set

comprising multiple said operation records, said sets relating to different classes of operations and said records **within** each set relating to different instances of the same type of operation.

17 The system of claim 16, in which each said operation record **contains** at least one variable data field storing a value of a measure from a range...

...18 The system of claim 16 or claim 17, in which said storage means further

**contains :**

c) metadata comprising multiple operation definition records, each defining the format of records of a...

...system of claim 16 or claim 17, in which said storage means further

**I 0 contains :**

c) metadata comprising multiple unit definition records, defining the relationship between different said units.

21...said query. ....

sm,lc, 0,la M.'JO Loading

lop

F Rotilines

Building

..... Voillifles

.....

cn **Integrated** Data Model

Loading

Roullfiles

m r I

cn

I J-J Shop

m II-'I...

...PROC

(CPU) 23c 22c

24a 25@

b

22b

PROGRAM

TRANSACTION RAM

DATABASE

a

Figir 2

**QUERY & OUTPUT VIEW DATA**

TRANSACTION LOAD **GUI**

REFERENCE LOAD COMMS

212'@@ AMEND DATA OPERATING SYS

FIG. 20

SUBSTITUTE SHEET (RULE 26)

34...than minimum documentation to the extent that such documents are included in the fields searched **Electronic** data base consulted during the international search (name of data base and, where practical, search

...

...claim No.

X CHAN R: "12 steps of creating a 1-82 successful data warehouse"

**DATA MINING DATA WAREHOUSING AND**

CLIENT/SERVER DATABASES PROCEEDINGS OF THE

INTERNATIONAL DATABASE WORKSHOP, page 227

248...

20/3,K/43 (Item 33 from file: 349)

DIALOG(R)File 349:PCT FULLTEXT

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SYSTEM AND METHOD FOR DYNAMIC PROFILING OF USERS IN ONE-TO-ONE APPLICATIONS  
AND FOR VALIDATING USER RULES

SYSTEME ET PROCEDE D'ETABLISSEMENT DYNAMIQUE DE PROFIL UTILISATEUR DANS DES  
APPLICATIONS BIUNIVOQUES ET DE VALIDATION DE REGLES UTILISATEUR

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NL PT SE

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Fulltext Availability:

Detailed Description

Claims

Detailed Description

... various one-to-one marketing applications, such as, e.g., shopping assistant application and dynamic **Web** site content presentation. A number of problems have been encountered in these marketing applications. One...

...profiles that can

be generated - a "static" profile and a "dynamic" profile.

The static profile **contains** all of the factual information of the user including, for example, demographic data (e.g...

...problems. Many transactional systems (e.g., airline reservations systems, credit card transactional systems and/or **Web** site management systems) generate a various number of transactions for each user. For example, some...invention can be used in various systems (e.g., Personal Shopping Assistant and Personal Intelligent **Digital** Assistant) to provide better recommendations to the users as to which products and services each individual user should utilize. Accordingly, the user **Web** Content Presentation systems can include the system and method according to the present invention because...

...users

will be provided with better quality profiles to facilitate the provision of more pertinent **Web** pages to the user visiting a particular **Web** site. Fraud detection systems may also include the system and method according to the present...illustrated in Fig. 6a.

Fig. 7 shows a block diagram of an exemplary Personal Intelligent **Digital** Assistant system according to the present invention.

Fig. 8 shows a flow diagram of another...DETAILED DESCRIPTION OF THE INVENTION

In many customer-related applications (e.g., banking, credit card, **Internet** marketing applications, etc.), user profiles for each user (or customer) are generated to better understand...

...a particular user. These transactions may be, for example,

credit card transactions, airline reservations and **Web** site visit transactions, and are stored in the "TRANS" file which has the following format...and irrelevant. In many systems (e.g., airline reservations systems, credit card transactional systems, or **Web** site usage systems), it is possible to have from as little as a few dozen...clusters in the group of clusters have been evaluated. As an illustration, if cluster Clustj **contains** three 3-dimensional points (0 1 0 1 1) I (01110), (1,0.1), corresponding to...that the domains of attributes C2 and C3 are discrete. If these domains were continuous, **integration** Clusti and Clust2. Assuming that the dummy variables are uniformly distributed over their domains, the...

...for fixed values of random variables can be calculated. Thereafter, the random variables are either **integrated** (for continuous random variables) or summed (for discrete random variable) over different values of these...the present invention can be used in a Personal Shopping Assistant (PSA), a Personal Intelligent **Digital** Assistant (PIDA), and in a dynamic **Web** content presentation system, described below.

A Personal Shopping Assistant (PSA) system according to the present...goes to France, the user often buys perfumes in Paris", "if user Y visits a **Web** site from the site Z in the evening, user Y does not spend a predetermined...in the art.

For example, if the user needs to buy a pair of jeans **within** the next two months, the Purchasing Recommendations module 145 selects the merchants selling jeans, e...

...the cheapest pair of jeans that fits the use's requirements (considering the promotions offered **within** the next two months) by matching to the user profile (i.e., the user's...user's is consideration.

The PSA service can also be used in a Personal Intelligent **Digital** Assistant (PIDA) service as illustrated in Fig. 7. Each user subscribing to this additional service is provided with a Personal **Digital** Assistant (PDA) (e.g., the remote device 350 or the User Transaction Collection and Recording...130 (e.g., via e-mail or through another intelligent user interface).

The PIDA service **incorporating** the system and method according to the present invention can be used for notifying the...In step 405, all user rules are combined to form Set S. Set S initially **contains** all related (e.g., similar) subsets of the unvalidated individual user rules for all users...to the human expert (i.e., looped back to step 410) so that the rules **within** new Set S may be reclassified using the process and/or the arrangement according to...

...methods.

A predetermined number of the remaining subsets (which can also be a single subset) **contained** in Set S are selected and merged together to form new subsets. The above-described...a subset of rules and splits this subset into at least 2 subsets: one subset **contains** rules which pass a predetermined selection criteria of the filter, and another subset **contains** rules

which do not. In particular, this selection criteria may be

3 0

specified using...

...Programming Interface and Query Language for Database Mining," Proceedings of the Second International Conference on **Knowledge Discovery and Data Mining**, August 1996 introduced "M-SQL" for association rule discovery which is based on **software query** language ("SQL") modified with additional **data mining** operators. However, the exemplary embodiment of the **data mining** query does not depend on any specific language.

For the following exemplary request, "Find all...node N7. In particular, the first level of field C12 is a leaf 540, which **contains** field C12 and a relational operator %<If. Below leaf 540, a lowest leaf of field...

...value "2011. In addition, the first level of field C13 is a leaf 545, which **contains** field C13 and a relational operator 11=11. Below leaf 545, a lowest leaf of...

Claim

... user.

28 The system according to claim 27, wherein the remote unit includes a personal **digital** assistant device accepting commands from the user and providing a currents state of the user...

21/TI,PR/1 (Item 1 from file: 348)  
DIALOG(R)File 348:(c) 2003 European Patent Office. All rts. reserv.

Implementing a neural network in a database system  
Neuronalnetzwerkimplementierung in einer Datenbank  
Implementation d'un reseau neuronal dans une base de donnees  
PRIORITY (CC, No, Date): US 797353 010228

21/TI,PR/2 (Item 2 from file: 348)  
DIALOG(R)File 348:(c) 2003 European Patent Office. All rts. reserv.

Printer having image correcting capability  
Drucker mit Bildkorrekturfahigkeit  
Imprimante avec capacite de correction d'image  
PRIORITY (CC, No, Date): JP 98181254 980626; JP 98240475 980826; JP  
98260465 980914

21/TI,PR/3 (Item 3 from file: 348)  
DIALOG(R)File 348:(c) 2003 European Patent Office. All rts. reserv.

High performance, low cost microprocessor  
Preisgunstiger Hochleistungsmikroprozessor  
Microprocesseur de haute performance et de faible cout  
PRIORITY (CC, No, Date): US 389334 890803

21/TI,PR/4 (Item 4 from file: 348)  
DIALOG(R)File 348:(c) 2003 European Patent Office. All rts. reserv.

Apparatus for measuring the thickness of a thin film.  
Vorrichtung zur Dickenmessung einer dunnen Schicht.  
Appareil pour la mesure d'epaisseur d'une couche mince.  
PRIORITY (CC, No, Date): JP 87128962 870525; JP 88124155 880520

21/TI,PR/5 (Item 5 from file: 348)  
DIALOG(R)File 348:(c) 2003 European Patent Office. All rts. reserv.

Method, apparatus and system for recognising broadcast segments.  
Verfahren, Apparat und System zur Wiedererkennung von Rundfunkausschnitten.  
Methode, appareil et systeme pour la reconnaissance d'echantillons d'une  
radio diffusion.  
PRIORITY (CC, No, Date): US 859134 860502

21/TI,PR/6 (Item 6 from file: 348)  
DIALOG(R)File 348:(c) 2003 European Patent Office. All rts. reserv.

Digital engine analyzer.  
Digitaler Analysator fur einen Motor.  
Analyseur numerique pour un moteur.  
PRIORITY (CC, No, Date): US 769150 850823

21/TI,PR/7 (Item 1 from file: 349)  
DIALOG(R)File 349:(c) 2003 WIPO/Univentio. All rts. reserv.

SUMMARIZING AND CLUSTERING TO CLASSIFY DOCUMENTS CONCEPTUALLY  
PRODUCTION DE RESUMES ET REGROUPEMENT POUR LA CLASSIFICATION CONCEPTUELLE  
DE DOCUMENTS  
Priority Application: US 2001928743 20010813

21/TI,PR/8 (Item 2 from file: 349)

DIALOG(R)File 349:(c) 2003 WIPO/Univentio. All rts. reserv.

**BROADBAND COMMUNICATIONS  
COMMUNICATIONS A LARGE BANDE**

Priority Application: EP 2001401767 20010703; WO 2002GB1461 20020326; WO 2002GB2372 20020522

21/TI,PR/9 (Item 3 from file: 349)

DIALOG(R)File 349:(c) 2003 WIPO/Univentio. All rts. reserv.

**BROADBAND COMMUNICATIONS  
COMMUNICATIONS A LARGE BANDE**

Priority Application: EP 2001401351 20010522; EP 2001401767 20010703; WO 2002GB1461 20020326

21/TI,PR/10 (Item 4 from file: 349)

DIALOG(R)File 349:(c) 2003 WIPO/Univentio. All rts. reserv.

**A METHOD FOR GRAPHICALLY DEPICTING DRUG ADVERSE EFFECT RISKS  
PROCEDE DE REPRESENTATION GRAPHIQUE DES RISQUES D'EFFETS INDESIRABLES DES  
MEDICAMENTS**

Priority Application: US 2001681586 20010502

21/TI,PR/11 (Item 5 from file: 349)

DIALOG(R)File 349:(c) 2003 WIPO/Univentio. All rts. reserv.

**BROADBAND COMMUNICATIONS  
COMMUNICATIONS A LARGE BANDE**

Priority Application: EP 2001480025 20010326; EP 2001401351 20010522; EP 2001401767 20010703

21/TI,PR/12 (Item 6 from file: 349)

DIALOG(R)File 349:(c) 2003 WIPO/Univentio. All rts. reserv.

**SYSTEMS AND METHODS FOR DYNAMIC DETECTION AND PREVENTION OF ELECTRONIC  
FRAUD AND NETWORK INTRUSION  
SYSTEMES ET PROCEDES DE DETECTION ET DE PREVENTION DYNAMIQUES DE FRAUDE  
ELECTRONIQUE ET D'INTRUSIONS SUR UN RESEAU**

Priority Application: US 2001810313 20010315

21/TI,PR/13 (Item 7 from file: 349)

DIALOG(R)File 349:(c) 2003 WIPO/Univentio. All rts. reserv.

**A SYSTEM AND METHOD FOR RETRIEVING AND USING GENE EXPRESSION DATA FROM  
MULTIPLE SOURCES  
SYSTEME ET PROCEDE D'EXTRACTION ET D'UTILISATION DE DONNEES D'EXPRESSION  
GENIQUE PROVENANT DE MULTIPLES SOURCES**

Priority Application: US 2001275465 20010314

21/TI,PR/14 (Item 8 from file: 349)

DIALOG(R)File 349:(c) 2003 WIPO/Univentio. All rts. reserv.

**A SYSTEM AND METHOD FOR MANAGING GENE EXPRESSION DATA  
SYSTEME ET PROCEDE SERVANT A GERER DES DONNEES D'EXPRESSION GENIQUE**

Priority Application: US 2001797830 20010305

21/TI,PR/15 (Item 9 from file: 349)

DIALOG(R)File 349:(c) 2003 WIPO/Univentio. All rts. reserv.

SYSTEM AND METHOD FOR MULTI-MODAL FOCUS DETECTION, REFERENTIAL AMBIGUITY  
RESOLUTION AND MOOD CLASSIFICATION USING MULTI-MODAL INPUT

PROCEDE DE TRAITEMENT MULTIMODAL

Priority Application: US 2001776654 20010205

21/TI,PR/16 (Item 10 from file: 349)

DIALOG(R)File 349:(c) 2003 WIPO/Univentio. All rts. reserv.

MEDICAL IMAGE PROCESSING SYSTEMS

SYSTEME DE TRAITEMENT D'IMAGES MEDICALES

Priority Application: US 2000234108 20000921; US 2000234435 20000921; US  
2000234114 20000921; US 2000234115 20000921

21/TI,PR/17 (Item 11 from file: 349)

DIALOG(R)File 349:(c) 2003 WIPO/Univentio. All rts. reserv.

AUTHORIZED USER VERIFICATION BY SEQUENTIAL PATTERN RECOGNITION AND ACCESS  
CODE ACQUISITION

VERIFICATION DE L'AUTORISATION D'UN UTILISATEUR PAR RECONNAISSANCE DE  
SEQUENCE ET ACQUISITION DU CODE D'ACCES

Priority Application: US 2000512419 20000224

21/TI,PR/18 (Item 12 from file: 349)

DIALOG(R)File 349:(c) 2003 WIPO/Univentio. All rts. reserv.

PHYSICAL PRESENCE DIGITAL AUTHENTICATION SYSTEM (TRANSACTIONS AND  
AUTHENTICATION)

SYSTEME D'AUTHENTIFICATION NUMERIQUE DE PRESENCE PHYSIQUE (TRANSACTIONS ET  
AUTHENTIFICATION)

Priority Application: US 2000180530 20000207; US 2000570399 20000512

21/TI,PR/19 (Item 13 from file: 349)

DIALOG(R)File 349:(c) 2003 WIPO/Univentio. All rts. reserv.

METHOD FOR AN APPLICATION SERVER PROVIDER FRAMEWORK

PROCEDE POUR UN CADRE DE FOURNISSEUR DE SERVICES APPLICATIFS

Priority Application: US 2000483062 20000114; US 2000483486 20000114; US  
2000483593 20000114

21/TI,PR/20 (Item 14 from file: 349)

DIALOG(R)File 349:(c) 2003 WIPO/Univentio. All rts. reserv.

PRIVACY COMPLIANT MULTIPLE DATASET CORRELATION SYSTEM

SYSTEME DE CORRELATION DE PLUSIEURS ENSEMBLES DE DONNEES RESPECTANT LA  
CONFIDENTIALITE

Priority Application: US 2000176177 20000113

21/TI,PR/21 (Item 15 from file: 349)

DIALOG(R)File 349:(c) 2003 WIPO/Univentio. All rts. reserv.

A SYSTEM AND METHOD FOR STREAM-BASED COMMUNICATION IN A COMMUNICATION  
SERVICES PATTERNS ENVIRONMENT

SYSTEME, PROCEDE ET ARTICLE DE PRODUCTION FOURNISSANT UN SYSTEME DE  
COMMUNICATION EN CONTINU DANS UN ENVIRONNEMENT DE CONFIGURATIONS DE  
SERVICES DE COMMUNICATION

Priority Application: US 99386717 19990831

21/TI,PR/22 (Item 16 from file: 349)

DIALOG(R)File 349:(c) 2003 WIPO/Univentio. All rts. reserv.

A SYSTEM, METHOD FOR FIXED FORMAT STREAM COMMUNICATION IN A COMMUNICATION SERVICES PATTERNS ENVIRONMENT  
SYSTEME, PROCEDE ET ARTICLE POUR FLUX DE FORMAT FIXE DANS UN ENVIRONNEMENT A CONFIGURATIONS DE SERVICES DE COMMUNICATION  
Priority Application: US 99386430 19990831

21/TI,PR/23 (Item 17 from file: 349)  
DIALOG(R) File 349:(c) 2003 WIPO/Univentio. All rts. reserv.

A SYSTEM, METHOD AND ARTICLE OF MANUFACTURE FOR A SELF-DESCRIBING STREAM IN A COMMUNICATION SERVICES PATTERNS ENVIRONMENT  
SYSTEME, PROCEDE ET ARTICLE DE FABRICATION DESTINES A UN FLUX D'AUTODESCRIPTEURS DANS UN ENVIRONNEMENT DE MODELES DE SERVICES DE COMMUNICATION  
Priority Application: US 99387070 19990831

21/TI,PR/24 (Item 18 from file: 349)  
DIALOG(R) File 349:(c) 2003 WIPO/Univentio. All rts. reserv.

A SYSTEM, METHOD AND ARTICLE OF MANUFACTURE FOR A CONSTANT CLASS COMPONENT IN A BUSINESS LOGIC SERVICES PATTERNS ENVIRONMENT  
SYSTEME, PROCEDE ET ARTICLE MANUFACTURE UN COMPOSANT DE CLASSE DE CONSTANCE DANS UN ENVIRONNEMENT DE SCHEMAS DE SERVICES DE LOGIQUE D'AFFAIRES  
Priority Application: US 99387213 19990831

21/TI,PR/25 (Item 19 from file: 349)  
DIALOG(R) File 349:(c) 2003 WIPO/Univentio. All rts. reserv.

WORD SEARCHABLE DATABASE FROM HIGH VOLUME SCANNING OF NEWSPAPER DATA  
BASE DE DONNEES INTERROGEABLE A PARTIR D'UN VOLUME ELEVE DE DONNEES JOURNALISTIQUES SAISIES  
Priority Application: US 99149222 19990817

21/TI,PR/26 (Item 20 from file: 349)  
DIALOG(R) File 349:(c) 2003 WIPO/Univentio. All rts. reserv.

SYSTEM AND METHOD FOR PROCESSING KNOWLEDGE ITEMS OF A KNOWLEDGE WAREHOUSE  
SYSTEME ET PROCEDE DE TRAITEMENT D'ELEMENTS DE CONNAISSANCE D'UNE BANQUE DE CONNAISSANCE  
Priority Application: US 99371145 19990809

21/TI,PR/27 (Item 21 from file: 349)  
DIALOG(R) File 349:(c) 2003 WIPO/Univentio. All rts. reserv.

A SYSTEM, METHOD AND ARTICLE OF MANUFACTURE FOR DETERMINING CAPABILITY LEVELS OF A RELEASE MANAGEMENT PROCESS AREA FOR PROCESS ASSESSMENT PURPOSES IN AN OPERATIONAL MATURITY INVESTIGATION  
SYSTEME, PROCEDE ET ARTICLE MANUFACTURE POUR DETERMINER LES NIVEAUX DE CAPACITE D'UNE ZONE DU PROCESSUS DE GESTION DE DIFFUSION A DES FINS D'EVALUATION DE PROCESSUS DANS UNE ETUDE DE MATURITE OPERATIONNELLE  
Priority Application: US 99361335 19990726

21/TI,PR/28 (Item 22 from file: 349)  
DIALOG(R) File 349:(c) 2003 WIPO/Univentio. All rts. reserv.

A SYSTEM, METHOD AND COMPUTER PROGRAM FOR DETERMINING OPERATIONMATURITY OF AN ORGANIZATION  
SYSTEME, PROCEDE ET ARTICLE FABRIQUE PERMETTANT DE MESURER LA MATURITE OPERATIONNELLE D'UNE ORGANISATION D'OPERATIONS

Priority Application: US 99361781 19990726

21/TI,PR/29 (Item 23 from file: 349)  
DIALOG(R)File 349:(c) 2003 WIPO/Univentio. All rts. reserv.

A SYSTEM, METHOD AND COMPUTER PROGRAM FOR DETERMINING CAPABILITY LEVELS OF  
PROCESSES TO EVALUATE OPERATIONAL MATURITY OF AN ORGANIZATION  
SYSTEME, PROCEDE ET ARTICLE DE FABRICATION DESTINES A DETERMINER DES  
NIVEAUX DE CAPACITE D'OPERATIONS POUR DES BESOINS D'EVALUATION  
D'OPERATION DANS UNE RECHERCHE DE MATURITE OPERATIONNELLE  
Priority Application: US 99361338 19990726

21/TI,PR/30 (Item 24 from file: 349)  
DIALOG(R)File 349:(c) 2003 WIPO/Univentio. All rts. reserv.

A SYSTEM, METHOD AND COMPUTER PROGRAM FOR DETERMINING CAPABILITY LEVEL OF  
PROCESSES TO EVALUATE OPERATIONAL MATURITY IN AN ADMINISTRATION PROCESS  
AREA  
SYSTEME, PROCEDE ET ARTICLE MANUFACTURE DE VERIFICATION D'UN PROCESSUS A  
MATURITE OPERATIONNELLE PAR DETERMINATION DU NIVEAU D'APTITUDE DANS UN  
DOMAINE DE PROCESSUS TRAITEMENT D'ADMINISTRATION UTILISATEUR  
Priority Application: US 99360928 19990726

21/TI,PR/31 (Item 25 from file: 349)  
DIALOG(R)File 349:(c) 2003 WIPO/Univentio. All rts. reserv.

METHOD FOR ASSEMBLING AND USING A KNOWLEDGE BASE  
PROCEDE D'ASSEMBLAGE ET D'UTILISATION D'UNE BASE DE CONNAISSANCES  
Priority Application: US 99361891 19990727

21/TI,PR/32 (Item 26 from file: 349)  
DIALOG(R)File 349:(c) 2003 WIPO/Univentio. All rts. reserv.

MULTI-DIMENSIONAL DATABASE AND DATA CUBE COMPRESSION FOR AGGREGATE QUERY  
SUPPORT ON NUMERIC DIMENSIONS  
COMPRESSION D'UNE BASE DE DONNEES MULTIDIMENSIONNELLE ET D'UN CUBE DE  
DONNEES PERMETTANT DES INTERROGATIONS GLOBALES RELATIVES A DES  
DIMENSIONS NUMERIQUES  
Priority Application: US 99296831 19990422

21/TI,PR/33 (Item 27 from file: 349)  
DIALOG(R)File 349:(c) 2003 WIPO/Univentio. All rts. reserv.

FINDING QUERYING PATTERNS IN QUERYING APPLICATIONS  
PROCEDE ET SYSTEME PERMETTANT DE TROUVER DES MODELES CACHES DANS DES  
APPLICATIONS D'INTERROGATION  
Priority Application: US 98103948 19981013

21/3,K/5 (Item 5 from file: 348)  
DIALOG(R) File 348:EUROPEAN PATENTS  
(c) 2003 European Patent Office. All rts. reserv.

00247815

Method, apparatus and system for recognising broadcast segments.  
Verfahren, Apparat und System zur Wiedererkennung von Rundfunkausschnitten.  
Methode, appareil et systeme pour la reconnaissance d'echantillons d'une  
radio diffusion.

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PATENT (CC, No, Kind, Date): EP 248533 A2 871209 (Basic)

EP 248533 A3 890906

EP 248533 B1 940831

APPLICATION (CC, No, Date): EP 87303968 870501;

PRIORITY (CC, No, Date): US 859134 860502

DESIGNATED STATES: DE; FR; GB; IT

INTERNATIONAL PATENT CLASS: H04H-009/00;

ABSTRACT WORD COUNT: 142

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FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
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CLAIMS B	(English)	EPBBF1	2181
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CLAIMS B	(German)	EPBBF1	2080
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CLAIMS B	(French)	EPBBF1	2370
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SPEC B	(English)	EPBBF1	10769
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Total word count - document A	0
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Total word count - document B	17400
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Total word count - documents A + B	17400
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...ABSTRACT cues or codes in the broadcast signal. Each broadcast frame is  
parametized to yield a **digital** word and a signature is constructed for  
segments to be recognized by selecting, in accordance...

...is parametized in the same way and the library of signatures is compared  
against each **digital** word and words offset therefrom by the stored  
offset amounts. A data reduction technique minimizes...

...SPECIFICATION method and apparatus for real-time continuous pattern  
recognition of broadcast segments by constructing a **digital** signature  
from a known specimen of a segment which is to be recognized. The  
signature is constructed by **digitally** parametizing the segment,  
selecting portions from among random frame locations throughout the  
segment in accordance...

...is identified with a particular segment to be recognized. A broadcast  
signal is monitored and **digitally** parametized. For each frame of the  
parametized monitored signal, the library is searched for any...

...the signature.

In another embodiment of a method and apparatus according to the invention, a **digital** keyword derived from a designated frame in the parametrized segment is identified as associated with...

...of the additional frames relative to the designated frame. A broadcast signal is monitored and **digitally** parametrized. For each monitored **digital** word of the parametrized monitored signal, the library is searched for any signature associated with...Whether audio or video information is used, the broadcast signal is parametrized to yield a **digital** data stream composed, preferably, of one 16-bit **digital** word for every 1/30 of a second of signal. (In the case of audio...

...is then processed in the same way whether it originated as audio or video.

A **digital** signature is constructed for each segment to be recognized. The construction of the signature is...

...incoming audio or video signal is digitized and parametrized to yield, preferably, a 16-bit **digital** word for each frame of data. This also is discussed in more detail below. As...

...the segment is chosen, using criteria to be discussed below, as the key frame, its **digital** parametrized equivalent becoming the keyword. The signature is still, preferably, eight 16-bit words, but... $n = 1-16$ ) (not all sixteen shown) are the areas used for determining the parametrized **digital** word for the current frame. The luminance areas (liters) (sub(n)) (min) ( $n = 1-16$ ...or noise, can be two competing criteria.)

Hamming distance refers to the dissimilarity of the **digital** data. It is desirable for more positive and reliable identification of broadcast segments that a...segments, plus information relating to all potential new and unknown segments, and receives in return **software** updates, signature library updates, and **requests** for additional information. If a new signature transmitted to and received by one local site...low-pass filter and then through a coder/decoder which performs a logarithmic analog-to-**digital** conversion resulting in a **digital** signal with a compressed amplitude (the audio signal is expanded again prior to being audited by an operator at central site 22). The compressed **digital** signal is then passed through an adaptive differential pulse code modulator (ADPCM) 112 similar to...

...in the received analog video signal to generate clock pulses and addresses for analog-to-**digital** conversion of the video signal. Circuit 115 outputs both address signals and digitized data signals...

...Control computer 81 (FIG. 8) is preferably a commercially available MicroVAX II minicomputer manufactured by **Digital** Equipment Corporation (DEC), running the DEC VMS **virtual** memory operating system. Between one and nine megabytes of RAM memory are provided along with...scale data is returned to video format and smoothed before being passed through the video **digital** -to-analog converter.

An audio control card is also provided in the 3270 AT. ADPCM...

...sor 29.

All communications within central site 22 and local sites 21 are coordinated by **Digital** Equipment Corporation (DEC) equipment. Therefore, communications throughout the system are based on DEC's...by high-speed link 24 as earlier discussed.

Communications control computer 29 is preferably a **Digital** Equipment Corporation VAX 8200. Coprocessor control computer 121 is the identical computer and in fact...

...CLAIMS 1. A method for continuous pattern recognition of broadcast segments, said method comprising:

constructing a **digital** signature from a known sample of a segment to be recognized by **digitally** parametrizing said segment, selecting portions (1(sub 1) to 1(sub 1)(sub 6)) from...

...said library being identified with a particular segment to be recognized;  
     monitoring a broadcast signal;  
     **digitally** parametizing said monitored signal on a frame-by-frame basis;  
     for each frame (10) of...

...parametized monitored signal.

2. The method of claim 1, wherein:  
     the step of constructing a **digital** signature from a known sample of a segment to be recognized comprises **digitally** parametizing said segment by forming a string of **digital** words each representing one frame of said segment, identifying a word representing a designated frame...

...representing the offsets of said frame locations relative to said designated frame;  
     the step of **digitally** parametizing said monitored signal comprises forming a plurality of monitored **digital** words each representing a frame of said monitored signal; and  
     for each frame of said...

...of searching said library comprises searching said library for any signature for which the monitored **digital** word representing said frame also represents said designated frame, and comparing the additional words of...

...with the words of said parametized monitored signal at said offsets relative to said monitored **digital** word.

3. The method of either of claims 1 or 2, wherein said signature and...

...claim 12 wherein said signature and said parametized monitored signal each comprise a plurality of **digital** words, each **digital** word of said signature and said parametized monitored signal being derived by comparing selected frequency...

...at least one reference band, each of said selected bands providing a bit of said **digital** word.

14. The method of any preceeding claim, further comprising reducing the amount of data...

...searched.

15. The method of claim 14 wherein said data reduction step comprises associating a **digital** word representing a designated frame of said segment with the signature of said segment, said association being nonexclusive, the step of **digitally** parametizing said monitored signal comprises forming a plurality of **digital** words each representing a frame of said monitored signal, and said searching step comprises, for each **digital** word in said parametized monitored signal, searching said library for any stored signature for which said **digital** word in said parametized monitored signal corresponds with said **digital** word representing said designated frame.

16. The method of any preceding claim wherein each of...

...Apparatus for continuous pattern recognition of broadcast segments, said apparatus comprising:  
     means for constructing a **digital** signature from a known sample of segment to be recognized by **digitally** parametizing said segment, selecting portions (1(sub 1) to 1(sub 1)(sub 6)) from...

...with a particular segment to be recognized;  
     means for monitoring a broadcast signal;  
     means for **digitally** parametizing said monitored signal on a frame-by-frame basis; and  
     means for searching said...

...monitored signal.

20. The apparatus of claim 19 wherein:

said constructing means is operative to **digitally** parametrize said segment by forming a string of **digital** words, each of said words representing one frame (10) of said segment, said constructing means...

...frame locations;

said storing means being operative to store in said library of signatures the **digital** words representing said designated frame (10) and said additional frames (10) along with offsets of said additional frames relative to said designated frame;

said means for **digitally** parametrizing said monitored signal is operative to form a string of monitored **digital** words each representing a frame (10) thereof; and

said searching means is operative to search said library for a signature for which a monitored **digital** word represents said designated frame (10) and to compare the additional words of any such

...

...with the words of said parametrized monitored signal at said offsets relative to said monitored **digital** word.

21. The apparatus of either of claims 19 or or 20 wherein said constructing...

...and

means for classifying and identifying said potential unknown segments.

27. A system for continuous **pattern recognition** of broadcast segments, **incorporating** apparatus as claimed in claim 26 and comprising:

a communications network (23a, 23b, 29) linking...

...said regions;

each of said local sites (21) has at least said storing means, said **digitally** parametrizing means, said searching means, and said detecting means, said storing means containing a local audio and video information, a temporary **digital** signature, and parametrized monitored signal information for a potential unknown segment not found in the...

...local library and for transmitting at least said parametrized monitored signal information and said temporary **digital** signature for a potential unknown segment via said communications network to said central site (22)...

...system of claim 27 wherein said grouping means comprises:

means (25) for comparing the temporary **digital** signatures of other potential unknown segments to a parametrized potential unknown segment;

for all potential unknown segments matching a given temporary **digital** signature, means for temporally aligning the parametrized monitored signal information of said segments; and means...

...of claim 29 further comprising means at said local site (21) for storing the temporary **digital** signature of a potential unknown segment and for logging the occurrences of said potential unknown...

...CLAIMS B1

1. Verfahren zur kontinuierlichen Mustererkennung von Sendesegmenten, wobei das Verfahren aufweist:

Aufbau einer **digitalen** Signatur aus einer bekannten Probe eines zu erkennenden Segmentes durch **digitales** Parametrisieren des Segmentes, Auswählen von Teilen (1(sub 1) bis 1(sub 1)(sub 6)...

...Signatur in der Bibliothek mit einem speziellen zu erkennenden Segment identifiziert ist,

Überwachen eines Sendesignales,  
**digitales** Parametrisieren des überwachten Signals auf  
bildweiser Basis,  
für jedes Bild (10) des parametrisierten, überwachten Signals...

...des parametrisierten, überwachten Signals.

2. Verfahren nach Anspruch 1, wobei:

der Schritt des Aufbaus einer **digitalen** Signatur aus einer  
bekannten Probe eines zu erkennenden Segments das **digitale**  
Parametrisieren des Segmentes durch Bildung einer Folge von  
**digitalen** Worten umfaßt, von denen jedes einem Bild des Segments  
entspricht, die Identifizierung eines Wortes, das...

...die die Offsets der Bildpositionen relativ zu dem bezeichneten Bild  
angibt,

wobei der Schritt des **digitalen** Parametrisierens des  
überwachten Signals das Ausbilden einer Vielzahl von überwachten  
Digitalwörtern umfaßt von denen jedes...

...Segments mit der Signatur des Segments angibt, wobei die Zuordnung  
nichtexklusiv ist, der Schritt des **digitalen** Parametrisierens des  
überwachten Signals die Ausbildung einer Anzahl von Digitalwörtern  
umfaßt, die jeweils ein Bild...Einrichtung zur kontinuierlichen  
Mustererkennung von Sendersegmenten, wobei die Einrichtung aufweist:  
eine Einrichtung zum Aufbau einer **digitalen** Signatur aus einer  
bekannten Probe des zu erkennenden Segmentes durch **digitales**  
Parametrisieren des Segmentes, Auswahl von Teilen (1(sub 1) bis 1(sub  
1) (sub 6...

...speziellen zu erkennenden Segment identifiziert ist,  
einer Einrichtung zur Überwachung eines Sendesignals,  
einer Einrichtung zum **digitalen** Parametrisieren des  
überwachten Signals auf bildweiser Basis  
und einer Einrichtung zum Durchsuchen der Bibliothek nach...

...10) des parametrisierten überwachten Signals (20).

20. Einrichtung nach Anspruch 19, wobei:

die Aufbaueinrichtung zum **digitalen** Parametrisieren des  
Segmentes durch Ausbildung einer Folge von Digitalwörtern arbeitet,  
wobei jedes der Digitalwörter ein...

...repräsentieren, zusammen mit Offsets der zusätzlichen Bilder relativ zum  
bezeichneten Bild,

wobei die Einrichtung zum **digitalen** Parametrisieren des  
überwachten Signal arbeitet, um eine Folge von überwachten  
Digitalwörtern zu bilden, von denen...

...Regionen verbindet,

wobei jeder der lokalen Orte (21) zumindest die  
Speichereinrichtung aufweist, die Einrichtung zum **digitalen**  
Parametrisieren, die Sucheinrichtung und die Erfassungseinrichtung,  
wobei die Speichereinrichtung eine Lokalbibliothek von  
Segmentsignaturen aufweist, die...

...an jedem der lokalen Orte (21), zur Erzeugung von komprimierten Audio-  
und Videoinformationen, einer temporäre **DigitalSignatur** und  
parametrisierter überwachter Signalinformationen für ein potentiell  
unbekanntes Segment, das nicht in der entsprechenden Lokalbibliothek  
aufgefunden wurde, und zur Übermittlung zumindest der parametrisierten,  
überwachten Signalinformation und der temporären **DigitalSignatur**  
für ein potentiell unbekanntes Segment über das  
Kommunikationsnetzwerk an den Zentralort (22),

eine Einrichtung (22...System nach Anspruch 27, wobei die  
Gruppierungseinrichtung aufweist:

eine Einrichtung (25) zum Vergleich der temporären  
**DigitalSignaturen** von anderen potentiell unbekannten Segmenten mit  
einem parametrisierten, potentiell unbekannten Segment,  
eine Einrichtung für alle potentiell unbekannte Segmente, die

einer gegebenen temporären **Digital**signatur entsprechen zum temporären Ausrichten der parametrisierten, überwachten Signalinformation des Segmentes, und eine Einrichtung zum Aufbau...

...nach Anspruch 29, mit ferner einer Einrichtung an dem Lokalort (21) zum Speichern der temporären **Digital**signatur eines potentiell unbekannten Segmentes und zum Speichern des Auftretens des potentiell unbekannten Segmentes aufgrund der...

21/3,K/33 (Item 27 from file: 349)  
DIALOG(R) File 349:PCT FULLTEXT  
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00559120 \*\*Image available\*\*

FINDING QUERYING PATTERNS IN QUERYING APPLICATIONS  
PROCEDE ET SYSTEME PERMETTANT DE TROUVER DES MODELES CACHES DANS DES APPLICATIONS D'INTERROGATION

Patent Applicant/Assignee:

VIRTUAL GOLD INC

Inventor(s):

BHANDARI Inderpal S,  
PRATAP Rajiv,  
RAMANUJAM Krishnakumar,

Patent and Priority Information (Country, Number, Date):

Patent: WO 200022493 A2 20000420 (WO 0022493)

Application: WO 99US24029 19991012 (PCT/WO US9924029)

Priority Application: US 98103948 19981013

Designated States: AE AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE

ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT

LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT

UA UG UZ VN YU ZA ZW GH GM KE LS MW SD SL SZ TZ UG ZW AM AZ BY KG KZ MD

RU TJ TM AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE BF BJ CF

CG CI CM GA GN GW ML MR NE SN TD TG

Publication Language: English

Fulltext Word Count: 34710

Patent Applicant/Assignee:

VIRTUAL GOLD INC...

Fulltext Availability:

Detailed Description

Detailed Description

... filed October 13@ 1998.

#### FIELD OF THE INVENTION

5 The present invention relates to a **query**-based **software** system or an on-line analytical processing system, particularly to a software application that provides a front-end for a user to interact with the

**query** based **software** system, e.g., a Structured Query Language (SQL) interface, a World Wide Web-enabled interface to databases. More particularly, the present invention relates to a computer implementation...

...for the security log application.

The programmer can also use the tools to create a **GUI** that allows a user to **ask** questions about the security log data by selecting suitable values for the attributes and computations...therefore not surprising that computer software theorists and developers have lately begun to experiment with **integrating** querying applications and **data mining** programs. To the best of our knowledge,

20 such integration has followed three approaches.

#### The...OF THE INVENTION

Therefore, it is an object of the present invention to provide a **data mining** technique that can be **incorporated** easily into the traditional querying applications represented by Fig. 1.

5 It is another object...5 strings together and, hence, to appreciate the relevance of the minimallyvalued string to his **query** .

CoInputations and **User Interface** for different gpplications  
In another embodiment, the querying application of the present  
20 invention can...of-player- 1 " having values such as behindbaseline,  
between-baseline-and-serveline, or at-the- **net** ;  
"vertical-locationof-player-2" having values such as behind-baseline,  
between-baseline20 and-serveline, or at-the- **net** ;  
"vertical-motion-player- I" having values  
such as forward, backward, or no-motion ; "vertical-motion...income"  
indicating the relative performance of the issuing company 1 5 in terms  
of its **net** income, and having values such as excellent, good, etc.; 64  
market-capitalization" indicating the relative...X, product Y, service X,  
etc.; "how-product-or-serviceadvertised" having values such as TV,  
**Internet** , newspaper, etc.; "switch1 5 that-call-went-through" having  
values such as switch 12, switch...016657,  
call-about-which-product-or-service  
25 product X, how-product-or-service-advertised = **Internet** ,  
customer-age  
>55).

Customer Relationship Management A  
pplicatio

Customer relationship management is very critical to...

...Product Y, Service

X, etc. ; "how-product-or-service-advertised" having values such as TV,  
**Internet** , newspaper, etc. ; "customer-satisfaction-at-time-of-sale"  
having values such as satisfied, very satisfied...be incorporated into a  
multi-user  
environment, such as a communication network of computers, an **intranet** ,  
or the **Internet** (world-wide- **web** ).  
Turning now to Fig. 19, there is illustrated a multi-user  
environment incorporating the querying...

...the.

alert data 203 to each output module 1903 over the communications  
network 1901.

Alternatively, **web** browsers can serve as the input and output  
modules, and the alert generator 201 and the computation module 102 can  
reside on a server (i.e., an **Internet** server). The communications  
network

5 1901 connecting the **web** browsers to the server can be the **Internet** ,  
a  
company **intranet** , a local-area network, a wide-area network and the  
like.

Generating Alerts for a...this case, any querying mechanism (such as a  
Graphical User Interface, HTML fonns on a **web** browser, etc.) specific  
to  
the database system or application could be used to pass inputs...

...There are various commercial products currently available that  
provide users with the means to run **Online** Analytical Processing  
queries  
on data, as well as a means of unearthing interesting patterns from...

File 35:Dissertation Abs Online 1861-2003/Feb  
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File 583:Gale Group Globalbase(TM) 1986-2002/Dec 13  
(c) 2002 The Gale Group  
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File 233:Internet & Personal Comp. Abs. 1981-2003/Feb  
(c) 2003 Info. Today Inc.  
File 474:New York Times Abs 1969-2003/Mar 12  
(c) 2003 The New York Times  
File 475:Wall Street Journal Abs 1973-2003/Mar 12  
(c) 2003 The New York Times  
File 99:Wilson Appl. Sci & Tech Abs 1983-2003/Jan  
(c) 2003 The HW Wilson Co.  
File 8:Ei Compendex(R) 1970-2003/Mar W1  
(c) 2003 Elsevier Eng. Info. Inc.  
File 94:JICST-EPlus 1985-2003/Mar W2  
(c) 2003 Japan Science and Tech Corp(JST)  
File 6:NTIS 1964-2003/Mar W2  
(c) 2003 NTIS, Intl Cpyrght All Rights Res  
File 434:SciSearch(R) Cited Ref Sci 1974-1989/Dec  
(c) 1998 Inst for Sci Info  
File 34:SciSearch(R) Cited Ref Sci 1990-2003/Mar W1  
(c) 2003 Inst for Sci Info  
File 95:TEME-Technology & Management 1989-2003/Feb W4  
(c) 2003 FIZ TECHNIK

Set	Items	Description
S1	29963	DATA() (MINING OR SNOOPING OR DREDGING) OR KNOWLEDGE() (DISCOVERY OR MANAGEMENT OR REUSE) OR KDD OR REPORTING SOFTWARE OR (TORTURING(1W) DATA(1W) UNTIL(1W) CONFESSES)
S2	151962	OLAM OR (ON(1W) LINE OR ONLINE) () ANALYTICAL() MINING OR AUTOMATED(2W) DISCOVERY OR (BUSINESS OR DATA OR E) () ANALYTICS OR - PATTERN() (FIND? OR LOCATE? OR PINPOINT? OR DETECT? OR DISCOVER? OR FOUND OR IDENTIF? OR RECOGNI?)
S3	6324217	INTEGRAT? OR WITHIN OR INSIDE OR CONTAINED OR CONTAINING OR CONTAINS OR COMPOSED OR MAKEUP OR BLEND? OR EMBEDD? OR INCORPORAT?
S4	878127	QUESTION? ? OR QUERY OR QUERIES OR ASK? OR REQUEST? OR INQUIRE? OR INTERROGAT?
S5	1377815	USER() INTERFACE? OR SOFTWARE? OR ROUTINE? ? OR COMPONENTWARE? OR LINKER? OR GUI OR (GRAPHIC? OR TEXT) (2N) (DISPLAY OR MANIFEST? OR DEPICT? OR SHOW? ?)
S6	3192400	INTERNET OR WWW OR WEB OR LAN OR WAN OR ELECTRONIC OR NET - OR INTRANET OR ETHERNET OR EXTRANET OR ONLINE OR CYBER OR VIRTUAL? OR DIGITAL?
S7	6	(S1 OR S2) (S) (S4(5N) S5) AND S3 AND S6
S8	1	((S1 OR S2) (5N) S3) AND (S4(5N) S5) AND S6 NOT S7
S9	84	(S1 OR S2) (S) (S3 AND S4 AND S5 AND S6) NOT (S7 OR S8)
S10	23	S9 NOT PY>1998
S11	23	S10 NOT PD>19981013
S12	19	RD (unique items)

7/5/1 (Item 1 from file: 2)  
DIALOG(R) File 2:INSPEC  
(c) 2003 Institution of Electrical Engineers. All rts. reserv.

6034233 INSPEC Abstract Number: A9821-9365-009, B9811-7730-028,  
C9811-7840-023

**Title: GeoBrowse: an integrated environment for satellite image retrieval and mining**

Author(s): Marchisio, G.B.; Wen-Hao Li; Sannella, M.; Goldschneider, J.R.  
Author Affiliation: Data Anal. Products Div., MathSoft Inc., Seattle, WA, USA

Conference Title: IGARSS '98. Sensing and Managing the Environment. 1998 IEEE International Geoscience and Remote Sensing. Symposium Proceedings. (Cat. No.98CH36174) Part vol.2 p.669-73 vol.2

Editor(s): Stein, T.I.

Publisher: IEEE, New York, NY, USA

Publication Date: 1998 Country of Publication: USA 5 vol. cxxxii+2754 pp.

ISBN: 0 7803 4403 0 Material Identity Number: XX98-01989

U.S. Copyright Clearance Center Code: 0 7803 4403 0/98/\$10.00

Conference Title: IGARSS '98. Sensing and Managing the Environment. 1998 IEEE International Geoscience and Remote Sensing. Symposium Proceedings

Conference Sponsor: IEEE; IEEE Geosci. & Remote Sensing Soc.; Univ Washington; NASA; NOAA; Office of Naval Res.; Nat. Space Dev. Agency Japan; URSI

Conference Date: 6-10 July 1998 Conference Location: Seattle, WA, USA

Language: English Document Type: Conference Paper (PA)

Treatment: Practical (P)

**Abstract:** The authors have developed GeoBrowse, an **integrated** prototype for management, retrieval, processing and mining of remotely sensed images. GeoBrowse is based on the abstract services and distributed objects paradigm. Communication between its various components can be established across platforms and the **Internet**. GeoBrowse consists of a graphical user interface (GUI), an object-relational database management system (ORDBMS), and a scientific problem solving environment (S-PLUS). Each of these can reside on a separate platform. For example, the GUI can be deployed on a laptop in the field and access the services of the database and data analysis engines through a wireless **Internet** link. Key innovations are the support for intelligent or "content based" queries on large databases of remotely sensed images and incremental and random access to 3D volumes of multispectral data from different sensors without the added overhead of multiple storage. GeoBrowse provides the user with the ability to determine and test the limitations of remote sensing parameters and models by providing alternative views of uncertainties arising from extrinsic factors. The scientific **data mining** environment is provided by S-PLUS, a fourth-generation language which offers more than 2000 analysis and **graphics display** functions. The intuitive **query** and analysis GUI has been written entirely in Java, with the newly released Abstract Window Toolkit (AWT) for platform independence and **Internet** compatibility. The GUI offers database browsing capabilities which complement the functionality of the information retrieval engine through visual indices and a movie player unit. A revolutionary feature of the interface allows linking of the image display on the client side to the statistical displays on the server side. (4 Refs)

Subfile: A B C

**Descriptors:** geographic information systems; geophysical techniques; geophysics computing; object-oriented databases; PACS; relational databases; remote sensing

**Identifiers:** geophysics computing; land surface; terrain mapping; remote sensing image; GIS; geographic information system; PACS; picture archive; GeoBrowse; **integrated** environment; satellite image retrieval; data mining; remotely sensed image; graphical user interface; GUI; object-relational database management system; DBMS; ORDBMS; S-PLUS; content based query; browsing

**Class Codes:** A9365 (Data and information; acquisition, processing, storage and dissemination in geophysics); A9385 (Instrumentation and

techniques for geophysical, hydrospheric and lower atmosphere research); A9190 (Other topics in solid Earth physics); B7730 (Other remote sensing applications in Earth sciences); B7710 (Geophysical techniques and equipment); B6140C (Optical information, image and video signal processing); C7840 (Geography and cartography computing); C7340 (Geophysics computing); C6160D (Relational databases); C6160J (Object-oriented databases); C6160S (Spatial and pictorial databases)

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7/5/2 (Item 1 from file: 233)

DIALOG(R) File 233:Internet & Personal Comp. Abs.

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00643099 01AD09-004

**Collaborating in an e-world -- The Web is helping corporations in their constant search for the Holy Grail of knowledge management; can a new generation of tools...**

Gates, Lana

Application Development Trends , September 1, 2001 , v8 n9 p26-28, 3  
Page(s)

ISSN: 1073-9564

Languages: English

Document Type: Articles, News & Columns

Geographic Location: United States

Discusses how companies are using the **Internet** to enhance **knowledge management** (KM) with a new generation of tools to overcome the various challenges that come with KM. Adds that one difficulty is that employees cannot be mandated to sit down at a computer and type in everything they know. Says that in order to ease that challenge, **Orbital Software** has taken a **question** /answer approach to KM with its **Organik software** , which routes **questions** and e-mails to the people who can actually answer them. Indicates that **Organik** then provides a place in an **intranet** for access to the answers of all previously asked questions. Mentions that St. Paul Companies has a KM system that **integrates** a number of tool sets for collaboration across the **Web** . Includes a photo and a chart. (EPE)

Descriptors: Knowledge Management; **Web** Tools; **Online** Systems; Collaboration; Intranets; Information Management; **Online** Information

7/5/3 (Item 1 from file: 8)

DIALOG(R) File 8:EI Compendex(R)

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06315285 E.I. No: EIP03107388125

**Title: On using a warehouse to analyze web logs**

Author: Joshi, Karuna P.; Joshi, Anupam; Yesha, Yelena

Corporate Source: Dept. of Comp. Sci./Elec. Eng. University of Maryland, Baltimore Co., Baltimore, MD 21250, United States

Source: Distributed and Parallel Databases v 13 n 2 March 2003. p 161-180

Publication Year: 2003

CODEN: DAATES ISSN: 0926-8782

Language: English

Document Type: JA; (Journal Article) Treatment: T; (Theoretical); X; (Experimental)

Journal Announcement: 0303W2

**Abstract:** Analyzing **Web** Logs for usage and access trends can not only provide important information to **web** site developers and administrators, but also help in creating adaptive **web** sites. While there are many existing tools that generate fixed reports from **web** logs, they typically do not allow ad-hoc analysis queries. Moreover, such tools cannot discover hidden patterns of access **embedded** in the access logs. We describe a relational OLAP (ROLAP) approach for creating a **web** -log warehouse. This is populated both from **web** logs, as well as the results of mining **web** logs. We discuss the design criteria that influenced our choice of dimensions, facts and data granularity. A **web** based ad-hoc tool for

analytic queries on the warehouse was developed. We present some of the performance specific experiments that we performed on our warehouse. 20 Refs.

Descriptors: Data warehouses; Websites; Software engineering; Data mining ; Query languages

Identifiers: Data granularity

Classification Codes:

723.1.1 (Computer Programming Languages)

723.3 (Database Systems); 723.1 (Computer Programming); 723.2 (Data Processing)

723 (Computer Software, Data Handling & Applications)

72 (COMPUTERS & DATA PROCESSING)

7/5/4 (Item 1 from file: 6)

DIALOG(R)File 6:NTIS

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2129514 NTIS Accession Number: DE99002233/XAB

Data mining

Lee, K. ; Kargupta, H. ; Stafford, B. G. ; Buescher, K. L. ; Ravindran, B.

Los Alamos National Lab., NM.

Corp. Source Codes: 8888888888

Sponsor: Department of Energy, Washington, DC.

Report No.: LA-UR-98-3261

31 Dec 1998 10p

Languages: English

Journal Announcement: GRAI9919; ERA9920

Sponsored by Department of Energy, Washington, DC.

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NTIS Prices: PC A02/MF A01

Country of Publication: United States

Contract No.: W-7405-ENG-36

This is the final report of a one-year, Laboratory Directed Research and Development (LDRD) project at the Los Alamos National Laboratory (LANL). The objective of this project was to develop and implement data mining technology suited to the analysis of large collections of unstructured data. This has taken the form of a software tool, PADMA (Parallel Data Mining Agents), which incorporates parallel data accessing, parallel scalable hierarchical clustering algorithms, and a web-based user interface for submitting Structured Query Language (SQL) queries and interactive data visualization. The authors have demonstrated the viability and scalability of PADMA by applying it to an unstructured text database of 25,000 documents running on an IBM SP2 at Argonne National Laboratory. The utility of PADMA for discovering patterns in data has also been demonstrated by applying it to laboratory test data for Hepatitis C patients and autopsy reports in collaboration with the University of New Mexico School of Medicine.

Descriptors: \*Data Analysis; \*P Codes; \*Interactive Display Devices; Parallel Processing; Algorithms; Uses; Medicine

Identifiers: EDB/990200; EDB/550600; NTISDE

Section Headings: 62GE (Computers, Control, and Information Theory--General)

7/5/5 (Item 1 from file: 34)

DIALOG(R)File 34:SciSearch(R) Cited Ref Sci

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11397694 Genuine Article#: 647EP Number of References: 7

Title: MtDB: a database for personalized data mining of the model legume Medicago truncatula transcriptome

Author(s): Lamblin AFJ; Crow JA; Johnson JE; Silverstein KAT; Kunau TM;  
Kilian A; Benz D; Stromvik M; Endre G; VandenBosch KA; Cook DR; Young  
ND; Retzel EF (REPRINT)  
Corporate Source: Univ Minnesota, Ctr Computat Genom & Bioinformat, MMC43, 420  
Delaware St SE/Minneapolis//MN/55455 (REPRINT); Univ Minnesota, Ctr  
Computat Genom & Bioinformat, Minneapolis//MN/55455; Univ Minnesota, Dept  
Plant Biol, Biosci Ctr 220, Minneapolis//MN/55408; Univ Calif Davis, Dept  
Plant Pathol, Davis//CA/95616  
Journal: NUCLEIC ACIDS RESEARCH, 2003, V31, N1 (JAN 1), P196-201  
ISSN: 0305-1048 Publication date: 20030101  
Publisher: OXFORD UNIV PRESS, GREAT CLARENDON ST, OXFORD OX2 6DP, ENGLAND  
Language: English Document Type: ARTICLE  
Geographic Location: USA  
Journal Subject Category: BIOCHEMISTRY & MOLECULAR BIOLOGY

Abstract: In order to identify the genes and gene functions that underlie  
key aspects of legume biology, researchers have selected the cool  
season legume *Medicago truncatula* (Mt) as a model system for legume  
research. A set of >170000 Mt ESTs has been assembled based on in-depth  
sampling from various developmental stages and pathogen-challenged  
tissues. MtDB is a relational database that **integrates** Mt  
transcriptome data and provides a wide range of user-defined **data  
mining** options. The database is interrogated through a series of  
interfaces with 58 options grouped into two filters. In addition, the  
user can select and compare unigene sets generated by different  
assemblers: Phrap, Cap3 and Cap4. Sequence identifiers from all public  
Mt sites ( e. g. IDs from GenBank, CCGB, TIGR, NCGR, INRA) are fully  
cross-referenced to facilitate comparisons between different sites, and  
hypertext links to the appropriate database records are provided for  
all queries results. MtDB's goal is to provide researchers with the  
means to quickly and independently identify sequences that match  
specific research interests based on user-defined criteria. The  
underlying database and **query software** have been designed for ease  
of updates and portability to other model organisms. Public access to  
the database is at [http:// www .medicago.org/MtDB](http://www.medicago.org/MtDB).

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COOK DR, 1999, V2, P301, CURR OPIN PLANT BIOL  
EWING B, 1998, V8, P175, GENOME RES  
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HUANG XQ, 1999, V9, P868, GENOME RES  
HUANG X, 2002, CAP4 PARACELS DNA SE  
SILVERSTEIN KAT, 2001, V29, P49, NUCLEIC ACIDS RES

7/5/6 (Item 2 from file: 34)  
DIALOG(R) File 34:SciSearch(R) Cited Ref Sci  
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11110371 Genuine Article#: 609EB Number of References: 9  
Title: **OpenRIMS: an open architecture radiology informaties management  
system**

Author(s): Langer S (REPRINT)  
Corporate Source: Mayo Clin & Mayo Fdn, Dept Radiol, 200 1st St  
SW/Rochester//MN/55905 (REPRINT); Univ Washington, Med Ctr, Dept  
Radiol, Seattle//WA/98195

Journal: JOURNAL OF DIGITAL IMAGING, 2002, V15, N2 (JUN), P91-97  
ISSN: 0897-1889 Publication date: 20020600  
Publisher: SPRINGER-VERLAG, 175 FIFTH AVE, NEW YORK, NY 10010 USA  
Language: English Document Type: ARTICLE  
Geographic Location: USA

Journal Subject Category: RADIOLOGY, NUCLEAR MEDICINE & MEDICAL IMAGING  
Abstract: The benefits of an **integrated** picture archiving and  
communication system/radiology information system (PACS/RIS) archive  
built with open source tools and methods are 2-fold. Open source  
permits an inexpensive development model where interfaces can be  
updated as needed, and the code is peer reviewed by many eyes

(analogous to the scientific model). **Integration** of PACS/RIS functionality reduces the risk of inconsistent data by reducing interfaces among databases that contain largely redundant information. Also, wide adoption would promote standard **data mining** tools-reducing user needs to learn multiple methods to perform the same task. A model has been constructed capable of accepting HL7 orders, performing examination and resource scheduling, providing **digital** imaging and communications in medicine (DICOM) worklist information to modalities, archiving studies, and supporting DICOM **query** /retrieve from third party viewing **software** . The multitiered architecture uses a single database communicating via an ODBC bridge to a Linux server with HL7, DICOM, and HTTP connections. Human interaction is supported via a **web** browser, whereas automated informatics services communicate over the HL7 and DICOM links. The system is still under development, but the primary database schema is complete as well as key pieces of the **web** user interface. Additional work is needed on the DICOM/HL7 interface broker and completion of the base DICOM service classes.

Descriptors--Author Keywords: radiology information system ; picture archiving and communication system ; **web** ; health leve7 ; **digital** imaging and communications in medicine ; open source

Identifiers--KeyWord Plus(R): DICOM

Cited References:

LINUX MED NEWS  
BIDGOOD WD, 1997, V4, P199, J AM MED INFORM ASSN  
CREIGHTON C, 1999, V12, P138, J DIGIT IMAGING  
HAMMOND WE, 1991, V11, P59, TOP HLTH REC MANAGE  
HORII SC, NONTECHNICAL INTRO D  
HORII SC, 1997, V17, P1297, RADIOGRAPHICS  
LANGER S, 1997, V10, P65, J DIGIT IMAGING  
PARISOT C, 2001, MANAGEMENT PRESENTAT  
STALLMAN R, 1984, GUNS NOT UNIX

8/5/1 (Item 1 from file: 8)  
DIALOG(R) File 8: Ei Compendex(R)  
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06065386 E.I. No: EIP02236970216

**Title: An approach to querying multiple object databases**

Author: Koh, Jia-Ling; Chen, Arbee L.P.

Corporate Source: Department of Computer Education National Taiwan Normal University, Taipei 106, Taiwan

Source: Journal of Information Science and Engineering v 18 n 2 March 2002. p 281-310

Publication Year: 2002

CODEN: JINEEY ISSN: 1016-2364

Language: English

Document Type: JA; (Journal Article) Treatment: T; (Theoretical)

Journal Announcement: 0206W2

**Abstract:** In a multidatabase system which consists of object databases, a global schema created by integrating schemas of the component databases provides a uniform interface and high level location transparency to help users retrieve data. The mapping between the global and component object schemas is complicated due to schema restructuring conducted to resolve various conflicts among component schemas before conducting schema integration. This mapping information is important for global query processing. In this paper, a mapping strategy is presented. A mapping equation is defined to denote the mappings for attributes and object instances between a **virtual** class and its constituent classes. In addition, a mapping graph is used to describe the mapping equation. Based on the mapping information, a mechanism for processing global queries in parallel is introduced. One processing unit is responsible for decomposing the global query into subqueries against the component databases. To handle the effects of schema restructuring, preprocessing and postprocessing units are also provided for each local DBMS. The results returned from component databases need to be integrated. The concept of object isomerism, where a real-world entity is represented by more than one object in different component databases, is considered for integrating query results. 30 Refs.

**Descriptors:** Query languages; Object oriented programming; User interfaces ; Information retrieval; Computer networks; Data mining ; Conformal mapping; **Integration** ; Optimization; Graph theory

**Identifiers:** Multiple object database systems; Object isomerism; Global query processing

**Classification Codes:**

723.1.1 (Computer Programming Languages)

723.1 (Computer Programming); 723.3 (Database Systems); 722.2 (Computer Peripheral Equipment); 903.3 (Information Retrieval & Use);

723.2 (Data Processing); 921.2 (Calculus); 921.5 (Optimization Techniques); 921.4 (Combinatorial Mathematics, Includes Graph Theory, Set Theory)

723 (Computer Software, Data Handling & Applications); 722 (Computer Hardware); 903 (Information Science); 716 (Electronic Equipment, Radar, Radio & Television); 921 (Applied Mathematics)

72 (COMPUTERS & DATA PROCESSING); 90 (ENGINEERING, GENERAL); 71 (ELECTRONICS & COMMUNICATION ENGINEERING); 92 (ENGINEERING MATHEMATICS)

12/5/1 (Item 1 from file: 35)  
DIALOG(R)File 35:Dissertation Abs Online  
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01665068 ORDER NO: AADMQ-30577  
KNOWLEDGE DISCOVERY IN INTERNET DATABASES  
Author: YU, XIAOBO  
Degree: M.SC.  
Year: 1998  
Corporate Source/Institution: THE UNIVERSITY OF REGINA (CANADA) (0148)  
Adviser: H. HAMILTON  
Source: VOLUME 37/01 of MASTERS ABSTRACTS.  
PAGE 9. 106 PAGES  
Descriptors: INFORMATION SCIENCE  
Descriptor Codes: 0723  
ISBN: 0-612-30577-5

A major objective in **knowledge discovery** in **Internet** database research is to support exploration and analysis of large amounts of data from several databases, each available via the **Internet**. This thesis describes an approach to achieving this objective based on a multidatabase. The multidatabase system provides a single front-end for several autonomous, heterogeneous database management systems.

A prototype software system, called KDID, has been developed to perform discovery tasks on Internet databases. A discovery task is decomposed into parameter for the task and a global database query. The global query is translated and decomposed into a set of local database queries, which are sent to Internet databases by database agents. KDID standardizes and accumulates the results of the local queries in a single database called the multidatabase. **Knowledge discovery** is then performed on the retrieved data by a discovery tool, DB-Discover, which performs high level, dynamic summarization and generalization of large amounts of data.

The approach is based on a global schema, which describes some related data. The correspondence between this global schema and the individual databases is maintained in a central registry. A registration subsystem is included in KDID to register Internet databases. The subsystem interacts with database administrators to obtain database schemas and integrate them with the global schema.

12/5/2 (Item 2 from file: 35)  
DIALOG(R)File 35:Dissertation Abs Online  
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01538494 ORDER NO: AAD97-12201  
FACTORS AFFECTING IMPLEMENTATION OF INTERACTIVE, COMPUTER-MEDIATED INSTRUCTIONAL TECHNIQUES FOR INSTRUCTORS AND LEARNERS AT A DISTANCE (DISTANCE EDUCATION)  
Author: BIELEMA, CHERYL L.  
Degree: PH.D.  
Year: 1996  
Corporate Source/Institution: UNIVERSITY OF ILLINOIS AT URBANA-CHAMPAIGN (0090)  
Adviser: JAMES A. LEACH  
Source: VOLUME 57/11-A OF DISSERTATION ABSTRACTS INTERNATIONAL.  
PAGE 4703. 168 PAGES  
Descriptors: EDUCATION, TECHNOLOGY ; EDUCATION, CURRICULUM AND INSTRUCTION ; EDUCATION, ADULT AND CONTINUING  
Descriptor Codes: 0710; 0727; 0516

In the field of education, it is now generally accepted that distance education differs contextually from face-to-face instruction. The instruction is delivered by technology that often limits the form, frequency and immediacy of messages (Garrison, 1989). Interactivity (active involvement of the learner with content, instructor, and fellow learners)

is one concept touted in the literature to help re-integrate the teaching and learning acts. Computer-mediated communication has the potential to increase interactivity.

The purpose of the study was to enhance understanding of the factors and processes affecting the planning and implementing of computer-mediated instructional (CMI) techniques in the distance learning environment. Specifically, the following research questions guided the study: (a) What personal barriers are encountered when implementing CMI? (b) What institutional barriers are encountered? (c) What technical barriers are encountered? and, (d) What benefits accrue to the participants, as a result of implementation of computer-mediated communications?

Participants were the instructors and 48 adult, extramural graduate students enrolled in two distance courses taught via audiographics. Data were generated from three sources: interviews with selected students, professors, electronic consultants, and Extramural Program Directors. Observations and group interviews were conducted at each of the remote learning sites. Documents, (e.g., e-mail and postings to the newsgroup and mailing list, and a survey of equipment and Internet access), comprised the third source of data.

Efforts related to planning the needed **electronic** infrastructure and the course design, and efforts related to implementation of computer-mediated communication are described in the qualitative study. Human-assisted **data mining** was the process used for manipulating data from the archived **electronic** postings. Recommendations include instructional design for the CMC context, activating self-directed learning, providing feedback, and developing collaborative **electronic** projects. Institutional policy or procedural changes were recommended, including support for adding CMC to future distance courses; instituting a help desk early in the semester; and, providing orientation and **software** guides. Experimentation with various scenarios of connectivity options was suggested. Further research was indicated in student learning preferences and styles, and in delineation of the steps in the process of filtering information via **electronic** media. The paradigm of shared responsibility for learning was supported.

12/5/3 (Item 3 from file: 35)  
DIALOG(R)File 35:Dissertation Abs Online  
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854186 ORDER NO: AAD84-20314

**KNOWLEDGE BASE FOR CONSULTATION AND IMAGE INTERPRETATION**

Author: CHENG, MING-CHIEH

Degree: PH.D.

Year: 1983

Corporate Source/Institution: THE UNIVERSITY OF FLORIDA (0070)

Source: VOLUME 45/06-B OF DISSERTATION ABSTRACTS INTERNATIONAL.

PAGE 1866. 241 PAGES

Descriptors: ENGINEERING, ELECTRONICS AND ELECTRICAL

Descriptor Codes: 0544

An entity-attribute relationship associated with a certainty factor is proposed to represent knowledge. To conduct this knowledge representation, we propose the modified top-down approach to generate the knowledge-based system. In order to improve the user interface problem, we further propose the three operation modes (information retrieval, decision-making, and question answering) to access the system through either the menu selection input or simple natural language input. A working system APRIKS is established for agricultural pest control and some other applications.

We further **integrate** image processing techniques and **pattern recognition** principles with a knowledge-based system to form a pictorial knowledge-based system to conduct falsified document detection and font identification, and **electronic** circuit diagram recognition and interpretation. To describe the interrelationship among the functional elements of a circuit diagram, we propose two pictorial manipulation languages (symbol description language and picture generation language)

using the concept of the associative network. Finally, we propose the conversion rules to link the **electronic** recognition system with the SPICE package to enhance the system's capability. This link demonstrates that the pictorial knowledge-based system can be **integrated** with current CAD machines to make diagnoses and reduce manpower.

12/5/4 (Item 1 from file: 583)  
DIALOG(R) File 583:Gale Group Globalbase(TM)  
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06609073

Key role for business intelligence

WORLD: BUSINESS INTELLIGENCE IS THE KEY  
Financial Times (GN) 01 Apr 1998 p.s.1  
Language: ENGLISH

As the information age develops, knowledge could well become a company's most valuable asset, while the 'business intelligence' tools used to acquire it may be essential in creating and maintaining a competitive advantage. Information analysts broadly define business intelligence as the process of making improved business decisions through the ability to access and analyse information as required. The general definition encompasses technologies including **data mining**, data warehousing, decision-support systems, executive information systems, **query** and reporting and multi-dimensional analysis or OLAP ( **online** analytical processing) tools. The business intelligence market is growing rapidly although estimates of its size vary considerably. International Business Machines <IBM> <US> claim it will grow to as much as US\$ 70bn by 2000. IBM general manager, Ben Barnes, says that companies are relying on business intelligence as the centre of an **integrated** customer relationship management program to differentiate themselves in a more competitive 'e-business' environment. Data warehouse hardware, **software** and services, another segment of overall business intelligence, will grow to US\$ 23.8bn in 2001 from US\$ 8.1bn in 1996, according to information technology market research company, International Data Corporation. Meanwhile the market for **data mining** tools is forecast to reach US\$ 800mn by 2000, up from about US\$ 300mn in 1997 and just US\$ 50mn in 1994, according to US market analyst, Meta Group. The OLAP report shows that OLAP was worth US\$ 1.4bn in 1997 compared to US\$ 1bn in 1996. Some estimates suggest that businesses only use 7% to 10% of the data they have generated themselves.

COMPANY: INTL DATA CORPORATION; INTL BUSINESS MACHINES

PRODUCT: General Management Services (9919); Management Theory & Techniques (9911); Computers & Auxiliary Equip (3573); Advertising Services NEC (7319); Marketing (9914); Database Vendors (7375);

EVENT: General Management Services (26); Sales & Consumption (65); Planning & Information (22); Marketing Procedures (24);

COUNTRY: General Worldwide (0W);

12/5/5 (Item 1 from file: 2)  
DIALOG(R) File 2:INSPEC  
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6542826 INSPEC Abstract Number: C2000-05-7250N-003

Title: **Implementing advanced Internet search engines**

Author(s): Lorenz, G.; Dangi, S.; Jones, D.; Carpenter, P.; Shenoi, S.

Author Affiliation: Dept. of Comput. Sci., Tulsa Univ., OK, USA

Conference Title: Database Security XI. Status and Prospects. IFIP TC11 WG11.3 Eleventh International Conference on Database Security p.389-91

Editor(s): Lin, T.Y.; Qian, S.

Publisher: Chapman & Hall, London, UK

Publication Date: 1998 Country of Publication: UK vi+391 pp.

ISBN: 0 412 82090 0      Material Identity Number: XX-1997-02702

Conference Title: Proceedings of 11th Annual IFIP WG 11.3 Working  
Conference on Database Security

Conference Date: 10-13 Aug. 1997      Conference Location: Lake Tahoe, CA,  
USA

Language: English      Document Type: Conference Paper (PA)

Treatment: Practical (P)

Abstract: Current **Internet** search tools, e.g., Yahoo! and AltaVista, are relatively simple. Their reliance on indexed files **containing** keyword-to-IP-address mappings limits them to handling low-level keyword **queries**. Future **Internet** search tools will be much more sophisticated (Y. Arens et al., 1993; L. Liu and C. Pu, 1997). They will employ metadata repositories to support content based querying and distributed, persistent agents performing a variety of functions, including data gathering, metadata extraction, **data mining** and information fusion. Users could create swarms of persistent search agents that would range the **Internet** in response to sophisticated **queries**, keeping them informed about updates and terminating only on explicit user directives. Clearly, such search engines will pose serious threats to security and privacy. The article shows the architecture of an advanced search engine being developed at the University of Tulsa to evaluate security and privacy threats. The server houses a metadata repository, a base agent and various search agents. The metadata repository maintains schema information about information repositories, including structured, semi structured and unstructured sources. It is continually refreshed by metadata daemons, persistent agents that search for new information sources, old sources that are no longer accessible and those whose schemas have been modified. (6 Refs)

Subfile: C

Descriptors: data privacy; information retrieval; Internet; meta data; object-oriented programming; search engines; software agents

Identifiers: advanced Internet search engines; Internet search tools; metadata repositories; content based querying; distributed persistent agents; data gathering; metadata extraction; data mining; information fusion; persistent search agents; sophisticated queries; explicit user directives; security; search agents; advanced search engine; privacy threat evaluation; schema information; information repositories; unstructured sources; structured sources; metadata daemons; persistent agents; information sources

Class Codes: C7250N (Search engines); C7210N (Information networks); C6150N (Distributed systems software); C6130S (Data security); C6170 (Expert systems and other AI software and techniques); C7250R (Information retrieval techniques); C6110J (Object-oriented programming)

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12/5/6      (Item 2 from file: 2)

DIALOG(R) File 2:INSPEC

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6369752      INSPEC Abstract Number: C1999-11-6160B-008

**Title: High performance multidimensional analysis and data mining**

Author(s): Goil, S.; Choudhary, A.

Author Affiliation: Dept. of Electr. & Comput. Eng., Northwestern Univ., Evanston, IL, USA

Conference Title: Proceedings of ACM/IEEE SC98: 10th Anniversary. High Performance Networking and Computing Conference (Cat. No. RS00192)      p.2 pp.

Publisher: IEEE Comput. Soc, Los Alamitos, CA, USA

Publication Date: 1998      Country of Publication: USA      801 pp.

Material Identity Number: XX-1998-03193

Conference Title: Proceedings of Supercomputing '98

Conference Sponsor: IEEE Comput. Soc.; ACM SIGARCH

Conference Date: 7-13 Nov. 1998      Conference Location: Orlando, FL, USA

Language: English      Document Type: Conference Paper (PA)

Treatment: Practical (P)

**Abstract:** Summary information from data in large databases is used to answer queries in OLAP systems and to build decision support systems over them. A data cube is used to calculate and store summary information on a variety of dimensions. Queries posed on such systems require different views of data. **Data mining** for associations can be performed on the data cube. Analytical models need to capture the multidimensionality of the underlying data, a task for which multidimensional databases are well suited. Also, they are amenable to parallelism, which is necessary to deal with large data sets. Multidimensional databases store data in multidimensional structure on which analytical operations are performed. A challenge for these systems is how to handle large data sets in a large number of dimensions. These techniques are also applicable to scientific and statistical databases (SSDB) which employ large multidimensional databases and dimensional operations over them. In this paper, we present (1) a parallel infrastructure for OLAP multidimensional databases **integrated** with association rule mining; (2) a bit-encoded sparse structure (BESS) for sparse data storage in chunks; (3) scheduling optimizations for parallel computation of complete and partial data cubes; and (4) a large-scale multidimensional database engine suitable for dimensional analysis used in OLAP and SSDB for (a) large numbers of dimensions and (b) large data sets. Our implementation on an IBM SP-2 can handle large data sets and a large number of dimensions by using disk I/O. Results are presented showing its performance and scalability. (0 Refs)

Subfile: C

**Descriptors:** data analysis; data mining; data structures; decision support systems; IBM computers; parallel databases; scientific information systems; software performance evaluation; statistical databases; very large databases

**Identifiers:** online analytical processing; high-performance multidimensional analysis; data mining; summary information; OLAP systems; decision support systems; data cube; data views; association rule mining; analytical models; multidimensional databases; parallelism; large data sets; multidimensional data structure; scientific databases; statistical databases; dimensional operations; parallel infrastructure; bit-encoded sparse structure; sparse data storage; data chunks; optimization scheduling; dimensional analysis; IBM SP-2; disk I/O; performance; scalability

**Class Codes:** C6160B (Distributed databases); C6160Z (Other DBMS); C6130 (Data handling techniques); C6120 (File organisation); C6160K (Deductive databases)

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12/5/7 (Item 3 from file: 2)

DIALOG(R) File 2:INSPEC

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6369563 INSPEC Abstract Number: C1999-11-6130B-028

**Title:** Information drill-down using web tools

**Author(s):** Jern, M.

**Conference Title:** Visualization in Scientific Computing'97. Proceedings of the Eurographics Workshop p.9-20

**Editor(s):** Lefer, W.; Grave, M.

**Publisher:** Springer-Verlag, Wien, Austria

**Publication Date:** 1997 **Country of Publication:** Austria vi+187 pp.

**ISBN:** 3 211 83049 9 **Material Identity Number:** XX-1997-02641

**Conference Title:** Proceedings of Visualization in Scientific Computing '97

**Conference Date:** 28-30 April 1997 **Conference Location:** Boulogne-sur-Mer, France

**Language:** English **Document Type:** Conference Paper (PA)

**Treatment:** Applications (A); Practical (P)

**Abstract:** The paper reviews the information visualization and interaction techniques needed to add another dimension to surfing the Web, information drilling and interactive data querying, sometimes also referred to as visual data mining. Information Visualization can be used to explore relationships by drilling down and retrieving more data within a

region of interest in the visualized data, combining **data mining**, direct manipulation and data visualization with 3D **Web** tools. It is now possible to create desktop visualization applications that let users interact with databases with larger datasets over the network using both 2D and 3D interaction metaphors. The VRML standard allows users to view and navigate through 3D information data worlds and hyperlink to new worlds. Information drilling based on HTML's Image Map, VRML's anchor node and multiple predefined viewpoints will be explained and demonstrated. The image map in 2D and 3D graphics objects (glyphs etc.) will represent the **Visual User Interface** to the information stored in the database. Also the advantages of using distributed component techniques based on plug-ins, Java Beans and ActiveX providing client-side data manipulation will be reviewed and illustrated. Over the next couple of years, we shall see 3D visualization evolve in giant steps into interactive data drilling on the **Web** providing visualization technology closely **integrated** with the data warehouse and multidimensional abstract and geospatial data models. (15 Refs)

Subfile: C

Descriptors: data mining; data visualisation; graphical user interfaces; query processing

Identifiers: information drill-down; web tools; information visualization; information interaction; information drilling; interactive data querying; visual data mining; data mining; direct manipulation; VRML standard; HTML's Image Map; visual user interface; Java Beans; ActiveX; data warehouse; geospatial data models

Class Codes: C6130B (Graphics techniques); C6170K (Knowledge engineering techniques); C6180G (Graphical user interfaces)

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12/5/8 (Item 4 from file: 2)

DIALOG(R)File 2:INSPEC

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6220179 INSPEC Abstract Number: C1999-05-7445-101

**Title: Detour queries in geographical databases for navigation and related algorithm animations**

Author(s): Shibuya, T.; Imai, H.; Nishimura, S.; Shimoura, H.; Tenmoku, K.

Author Affiliation: Dept. of Inf. Sci., Tokyo Univ., Japan

Conference Title: Cooperative Databases and Applications. Proceedings of the International Symposium on Cooperative Database Systems for Advanced Applications p.246-53

Editor(s): Kambayashi, Y.; Yokota, K.

Publisher: World Scientific, Singapore

Publication Date: 1997 Country of Publication: Singapore xv+574 pp.

ISBN: 981 02 3161 X Material Identity Number: XX-1998-03303

Conference Title: Proceedings of the International Symposium on Cooperative Database Systems for Advanced Applications

Conference Date: 5-7 Dec. 1996 Conference Location: Kyoto, Japan

Language: English Document Type: Conference Paper (PA)

Treatment: Practical (P); Theoretical (T)

**Abstract:** In geographical databases for navigation, users raise various types of **queries** concerning route guidance. The most fundamental **query** is a shortest-route **query**, but, as dynamical traffic information newly becomes available and the static geographical database of roads itself has grown up further, more flexible **queries** are required to realize a user-friendly interface meeting the current settings. One important **query** is a detour **query** which provides information about detours, say listing several candidates for useful detours. We have previously proposed efficient algorithms for enumerating meaningful detours. In this paper, we first review our algorithms for the static case, and discuss their extensions to **incorporate** dynamical information in an efficient manner. Also, in connection with the **user interface** part, animation of the proposed algorithm is performed, and its prototype version is made public via WWW. In a more general setting, we discuss **data mining** of this

rapidly growing geographical database as an interesting target to derive useful information from vast geographical data. Applications of this **data mining** cover a broad class of real-world problems such as urban planning, environmental assessment, social welfare, facility management, disaster prevention, etc., from the governmental standpoint and, marketing, customer management, etc., in the business world. This paper investigates the road network for navigation in the geographical database from this point of view, and proposes how to obtain a good collection of candidates satisfying user requirements by our clever enumeration approach for detours and how to present them to users by visual interfaces. (14 Refs)

Subfile: C

Descriptors: computer animation; computerised navigation; data mining; driver information systems; geographic information systems; query processing; user interfaces

Identifiers: detour queries; geographical databases; navigation; animations; route guidance; traffic information; user-friendly interface; static information; dynamical information; WWW; data mining; government; business; visual interfaces

Class Codes: C7445 (Traffic engineering computing); C6160S (Spatial and pictorial databases); C7130 (Public administration); C7840 (Geography and cartography computing)

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12/5/9 (Item 5 from file: 2)

DIALOG(R)File 2:INSPEC

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6104495 INSPEC Abstract Number: C9901-7480-082

Title: **NIIIP-SMART: an investigation of distributed object approaches to support MES development and deployment in a virtual enterprise**

Author(s): Barry, J.; Aparicio, M.; Durniak, T.; Herman, P.; Karuturi, J.; Woods, C.; Gilman, C.; Lam, H.; Ramnath, R.

Conference Title: Proceedings Second International Enterprise Distributed Object Computing (Cat. No.98EX244) p.366-77

Publisher: IEEE, New York, NY, USA

Publication Date: 1998 Country of Publication: USA vii+391 pp.

ISBN: 0 7803 5158 4 Material Identity Number: XX98-03176

U.S. Copyright Clearance Center Code: 0 7803 5158 4/98/\$10.00

Conference Title: Proceedings Second International Enterprise Distributed Object Computing. Workshop

Conference Sponsor: Object Manage. Group; IEEE; EIC; IPS; Distributed Syst. Technol. Centre; UNISYS; FUJITSU

Conference Date: 3-5 Nov. 1998 Conference Location: La Jolla, CA, USA

Language: English Document Type: Conference Paper (PA)

Treatment: Theoretical (T)

Abstract: The National Industrial Information Infrastructure Protocols (NIIIP) consortium's solutions for MES adaptable replicable technology (SMART) subgroup is developing an information infrastructure to enable the **integration** and interoperation among manufacturing execution systems (MES) and enterprise information systems **within** or among enterprises. The goal of these developments is an adaptable, affordable, reconfigurable, **integratable** manufacturing system. Key innovative aspects of NIIIP SMART are: Design of a standards-oriented configurable object model that represents the diverse aspects of MES. Application of distributed object architecture, work-flow, events, policy rules, intelligent agents, and **knowledge management** technologies to implement manufacturing and business procedures and policy. Product data exchange based on standard for the exchange of product data (STEP) and EXPRESS (ISO 10303), and enterprise resource planning interaction using open application group interface specification (OAGIS) business service **requests** (BSR). (28 Refs)

Subfile: C

Descriptors: concurrent engineering; distributed object management; software agents; transport protocols

Identifiers: NIIIP-SMART; distributed object approaches; MES development; virtual enterprise; National Industrial Information Infrastructure

Protocols; MES adaptable replicable technology; information infrastructure; manufacturing execution systems; enterprise information systems; standards-oriented configurable object model; distributed object architecture; work-flow; policy rules; intelligent agents; knowledge management technologies; enterprise resource planning interaction; open application group interface specification business service requests

Class Codes: C7480 (Production engineering computing); C6110J (Object-oriented programming); C6150N (Distributed systems software); C5640 (Protocols); C6170 (Expert systems and other AI software and techniques)  
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12/5/10 (Item 6 from file: 2)

DIALOG(R)File 2:INSPEC

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6090825 INSPEC Abstract Number: C9901-7250N-001

**Title:** The InfoSleuth agent system

**Author(s):** Nodine, M.

**Author Affiliation:** MCC, Austin, TX, USA

**Conference Title:** Cooperative Information Agents II. Learning, Mobility and Electronic Commerce for Information Discovery on the Internet. Second International Workshop, CIA'98. Proceedings p.19-20

**Editor(s):** Klusch, M.; Weiss, G.

**Publisher:** Springer-Verlag, Berlin, Germany

**Publication Date:** 1998 **Country of Publication:** Germany ix+308 pp.

**ISBN:** 3 540 64676 0 **Material Identity Number:** XX98-01825

**Conference Title:** Cooperative Information Agents II Learning, Mobility and Electronic Commerce for Information Discovery on the Internet. Second International Workshop, CIA'98. Proceedings

**Conference Date:** 4-7 July 1998 **Conference Location:** Paris, France

**Language:** English **Document Type:** Conference Paper (PA)

**Treatment:** Practical (P)

**Abstract:** The InfoSleuth architecture consists of a set of collaborating agents that work together at the request of the user to: gather information via complex queries from a changing set of databases and semi structured text repositories distributed across an Internet; perform rudimentary polling and notification facilities for monitoring changes in data; automatically route location-independent requests to update individual data items; and analyze information using statistical data mining techniques and/or logical inferencing. Users make requests to InfoSleuth from a domain-independent or domain-specific applet. Requests are made against an ontology specifying his domain of interest. The applet forwards the request to the agent system. Within the agent system, agents cooperate to satisfy the request on behalf of the user. Each request is processed by the available agents at the time of the request. Results are presented either within the user's applet or within a specialized result applet. (0 Refs)

**Subfile:** C

**Descriptors:** cooperative systems; information retrieval; Internet; knowledge acquisition; online front-ends; software agents

**Identifiers:** InfoSleuth agent system; InfoSleuth architecture; collaborating agents; complex queries; changing set; semi structured text repositories; Internet; rudimentary polling; notification facilities; change monitoring; location-independent requests; data items; statistical data mining techniques; logical inferencing; domain-specific applet; ontology; agent system; agent cooperation; user applet

**Class Codes:** C7250N (Search engines); C7210 (Information services and centres); C6170K (Knowledge engineering techniques); C7250R (Information retrieval techniques)

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12/5/11 (Item 7 from file: 2)

DIALOG(R)File 2:INSPEC

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5891241 INSPEC Abstract Number: C9805-7102-019

**Title: Growth in decision support systems**

Journal: Database and Network Journal vol.28, no.1 p.3-4

Publisher: A.P. Publications,

Publication Date: Feb. 1998 Country of Publication: UK

CODEN: DNJODC ISSN: 0265-4490

SICI: 0265-4490(199802)28:1L:3:GDSS;1-P

Material Identity Number: E991-98001

Language: English Document Type: Journal Paper (JP)

Treatment: General, Review (G)

Abstract: A 1997 survey of 401 blue-chip UK companies undertaken by Business Objects has revealed an explosion in the deployment of decision support systems. This report gives a statistical analysis of the survey and highlights significant results. Where appropriate, this report contrasts the results with other published research and draws some conclusions. Respondents included IT managers from major UK corporations, who were asked about their current technology investments in decision support and their purchasing intentions for 1997. The managers were from all industry sectors but included specifically the following sectors: air travel, building societies, high-street banks, retail, travel agencies, insurance, pharmaceutical, motor manufacture, utilities (privatised and state-owned), government and education. The report has been split into seven sections: (1) the move to enterprise-wide deployment; (2) the data warehouse market; (3) integration of querying, reporting and OLAP tools; (4) data mining set for growth; (5) the move to 32-bit technology; (6) database platforms used for decision support; and (7) IT investment. (3 Refs)

Subfile: C

Descriptors: business data processing; decision support systems; reviews; software management; statistical analysis

Identifiers: decision support systems; survey; blue-chip UK companies; Business Objects; DSS deployment; statistical analysis; IT managers; technology investments; purchasing intentions; industry sectors; air travel; building societies; high-street banks; retail; travel agencies; insurance; pharmaceutical industry; motor manufacture; privatised utilities; state-owned utilities; government; education; enterprise-wide deployment; data warehouse market; querying tools; reporting tools; OLAP tools; online analytical processing; data mining; 32-bit technology; database platforms; IT investment; 32 bit

Class Codes: C7102 (Decision support systems)

Numerical Indexing: word length 3.2E+01 bit

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12/5/12 (Item 8 from file: 2)

DIALOG(R) File 2:INSPEC

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5577666 INSPEC Abstract Number: C9706-6160D-011

**Title: Rough sets as a foundation to add data mining capabilities to a RDMS**

Author(s): Fernandez-Baizan, M.C.; Menasalvas Ruiz, E.; Pena, J.M.; Castano, M.; Santos, E.; Portaencasa, R.; Perez, C.

Conference Title: Symposium on Modelling, Analysis and Simulation. CESA '96 IMACS Multiconference. Computational Engineering in Systems Applications Part vol.2 p.764-8 vol.2

Publisher: Gerf EC Lille - Cite Scientifique, Lille, France

Publication Date: 1996 Country of Publication: France 2 vol. 1282 pp.

ISBN: 2 9502908 5 X Material Identity Number: XX97-00800

Conference Title: Proceedings of International Conference on Computational Engineering in Systems Applications

Conference Date: 9-12 July 1996 Conference Location: Lille, France

Availability: Gerf EC Lille - Cite Scientifique, BP 48 - F59651 Villeneuve d'Asq Cedex, France

Language: English Document Type: Conference Paper (PA)

Treatment: Practical (P)

Abstract: This paper presents the design and first implementation of a system called RSDM (rough sets data miner). This system adds **data mining** capabilities to the POSTGRES95 database management system. A first attempt to **integrate** rough sets theory with a relational model was made in Beauboeuf and Petry (1994). It is a new approach to **integrate** a relational model with the rough sets methodology whose major goals are: to provide facilities for discovering implicit knowledge in databases making use of rough set theory; to produce a system which can take advantage of a DBMS to add these **data mining** capabilities; to provide a **WWW** interface which allows user to access, **query**, and mine remote databases; and to make as few changes as possible to the RDMS underlying the system. The paper describes broadly the algorithms that have been implemented as well as the system architecture and improvements added by the system. (12 Refs)

Subfile: C

Descriptors: information networks; knowledge acquisition; relational databases; user interfaces

Identifiers: data mining capabilities; rough sets data miner; POSTGRES95 database management system; relational model; implicit knowledge; DBMS; WWW interface; remote databases

Class Codes: C6160D (Relational databases); C6170K (Knowledge engineering techniques); C6170T (Knowledge engineering tools); C7210 (Information services and centres); C7250N (Front end systems for online searching)

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12/5/13 (Item 9 from file: 2)

DIALOG(R) File 2:INSPEC

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5348610 INSPEC Abstract Number: C9610-6160K-002

Title: **Information mediation in cyberspace: scalable methods for declarative information networks**

Author(s): Dao, S.; Perry, B.

Author Affiliation: Inf. Sci. Lab., Hughes Res. Labs., Malibu, CA, USA

Journal: Journal of Intelligent Information Systems: Integrating Artificial Intelligence and Database Technologies vol.6, no.2-3 p. 131-50

Publisher: Kluwer Academic Publishers,

Publication Date: June 1996 Country of Publication: Netherlands

CODEN: JIISEH ISSN: 0925-9902

SICI: 0925-9902(199606)6:2/3L:131:IMCS;1-H

Material Identity Number: C318-96002

U.S. Copyright Clearance Center Code: 0925-9902/96/\$8.50

Language: English Document Type: Journal Paper (JP)

Treatment: Practical (P)

Abstract: An end-to-end discussion, from the local architecture to the implementation of issues and design decisions in declarative information networks is presented. A declarative information network is defined to be a dynamic and decentralized structure where value-added services are declared and applied as mediators in a scalable and controlled manner. A primary result is the need to adopt dynamically-linked ontologies as the semantic basis for knowledge sharing in scalable networks. It is shown that **data mining** techniques provide a promising basis upon which to explore and develop this result. Our prototype system, entitled Mystique, is described in terms of the KQML (Knowledge-based **Query** Manipulation Language) agent-communication language, distributed object management and distributed agent execution. An example shows how we map our architecture into the World Wide Web (**WWW**) and transform the appearance of the **WWW** into an intelligently **integrated** and multi-subject distributed information network. (19 Refs)

Subfile: C

Descriptors: deductive databases; distributed databases; information networks; knowledge acquisition; object-oriented databases; software agents

Identifiers: information mediation; cyberspace; scalable networks; declarative information networks; local architecture; dynamic decentralized

structure; value-added services; dynamically-linked ontologies; knowledge sharing; data mining techniques; Mystique; KQML agent-communication language; Knowledge-based Query Manipulation Language; distributed object management; distributed agent execution; World Wide Web; intelligently integrated, multi-subject distributed information network; semantic integration; declarative interoperability

Class Codes: C6160K (Deductive databases); C5620W (Other computer networks); C7210 (Information services and centres); C6170K (Knowledge engineering techniques); C6160B (Distributed databases); C6160J (Object-oriented databases)

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12/5/14 (Item 10 from file: 2)

DIALOG(R) File 2:INSPEC

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5347272 INSPEC Abstract Number: B9609-6210L-188, C9609-5620W-076

**Title: Constraint-based information gathering for a network publication system**

Author(s): Borghoff, U.M.; Pareschi, R.; Karch, H.; Nohmeier, M.; Schlichter, J.H.

Author Affiliation: Grenoble Lab., Rank Xerox Res. Centre, Meylan, France

Conference Title: PAAM 96. Proceedings of the First International Conference on the Practical Application of Intelligent Agents and Multi-Agent Technology p.45-59

Publisher: Practical Application Company, Blackpool, UK

Publication Date: 1996 Country of Publication: UK 933 pp.

Material Identity Number: XX96-00843

Conference Title: Proceedings of First International Conference on Practical Application of Intelligent Agents and Multi-Agent Technology

Conference Date: 22-24 April 1996 Conference Location: London, UK

Language: English Document Type: Conference Paper (PA)

Treatment: Practical (P)

**Abstract:** The Internet and the World-Wide Web ( WWW ) are revolutionizing knowledge exchange by linking heterogeneous information repositories into a kind of gigantic world-wide digital library. Yet up until now, knowledge management on the WWW has mainly been provided by navigation tools like Mosaic and Netscape, and by engines like Alta Vista Lycos and Yahoo which support navigation by automating the search for user relevant WWW sites. The simplicity of this paradigm has been the key to the initial success of the Web infrastructure but now falls short of more complex applications needed by an ever growing community of users. Prominent among these needs is flexible information gathering from multiple knowledge sources to ad hoc ratically serve the requests of specific user groups. For instance, Network Publication Systems (NPS) for large organizations need flexible integration of enquiry information like Who's Who services and tables of contents of journals with E-print archival material, as well as flexible adaptation of local query services. Agent technology can provide the right answer to these demands. We describe agent based information gathering on the WWW in the context of a NPS for the European Physicist Society. In our approach, we exploit constraints to implement information gathering with maximal flexibility. (28 Refs)

Subfile: B C

Descriptors: cooperative systems; electronic publishing; information retrieval; Internet; software agents

Identifiers: constraint based information gathering; network publication system; Internet; World-Wide Web; knowledge exchange; heterogeneous information repositories; gigantic world-wide digital library; knowledge management; Web infrastructure; information gathering; multiple knowledge sources; flexible integration; enquiry information; E-print archival material; flexible adaptation; local query services; agent technology; agent based information gathering; WWW

Class Codes: B6210L (Computer communications); C5620W (Other computer networks); C7250R (Information retrieval techniques); C6170 (Expert systems); C7230 (Publishing and reproduction)

12/5/15 (Item 11 from file: 2)

DIALOG(R) File 2:INSPEC

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03843125 INSPEC Abstract Number: C91024511

**Title: APT-a productivity tool for supporting expert analysis of time series data**

Author(s): Delatizky, J.; Morrill, J.P.

Author Affiliation: BBN Syst. & Technol. Corp., Cambridge, MA, USA

Conference Title: Proceedings. The Third International Conference on Industrial and Engineering Applications of Artificial Intelligence and Expert Systems (IEA/AIE 90) p.478-84 vol.1

Publisher: ACM, New York, NY, USA

Publication Date: 1990 Country of Publication: USA 2 vol. xiv+1176 pp.

ISBN: 0 89791 372 8

U.S. Copyright Clearance Center Code: 0 89791 372 8/90/0007/0478\$1.50

Conference Sponsor: ACM; Univ. South Carolina; Univ. Tennessee Space Inst

Conference Date: 15-18 July 1990 Conference Location: Charleston, SC, USA

Language: English Document Type: Conference Paper (PA)

Treatment: Practical (P)

**Abstract:** Computer programs for graphing and analyzing time series data are widely available. For large data analysis applications, however, the analyst may invest a great deal of time navigating an ocean of data in order to find the relevant and interesting pieces. By making this process of discovery easier the authors can improve the productivity of the analyst. They describe a data analysis system **composed** of an eclectic combination of **pattern recognition**, artificial intelligence, and **digital** signal processing with the goal of providing some of the right tools. The machine is used to accept abstract descriptions of interesting or anomalous data and then to bring that data quickly into the **user interface**. The same tools can screen large datasets in the analyst's absence. The human analyst spends less time wading through graphs and numbers and more time answering the **question** of the day. The goal is to empower the analyst by providing a higher-level language with which to manipulate, visualize, and restructure the semantic concepts of the domain. (5 Refs)

Subfile: C

Descriptors: computerised pattern recognition; data analysis; expert systems; software packages; time series

Identifiers: time series data; pattern recognition; artificial intelligence; digital signal processing; user interface

Class Codes: C7310 (Mathematics); C6170 (Expert systems); C1140Z (Other and miscellaneous)

12/5/16 (Item 1 from file: 8)

DIALOG(R) File 8:EI Compendex(R)

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05164960 E.I. No: EIP98114478475

**Title: IBM data warehouse architecture**

Author: Bontempo, Charles; Zagelow, George

Corporate Source: Univ in Brooklyn, Brooklyn, NY, USA

Source: Communications of the ACM v 41 n 9 Sep 1998. p 38-48

Publication Year: 1998

CODEN: CACMA2 ISSN: 0001-0782

Language: English

Document Type: JA; (Journal Article) Treatment: A; (Applications)

Journal Announcement: 9901W3

**Abstract:** IBM has developed a comprehensive set of data warehouse offering (hardware and **software**) and an **integrated** warehouse solution

designed to serve a wide range of requirements - from simple **query** and reported to advanced **data mining**. The data warehouse architecture includes the ability to **integrate** data managed by multivendor offerings, as well as interfaces facilitating interoperability with multivendor tools.  
4 Refs.

Descriptors: \*Computer architecture; Decision support systems; Relational database systems; Management information systems; Online systems; Data structures; Query languages; Object oriented programming; Java programming language

Identifiers: Multidatabase server; Online analytical processing; Metadata interchange specification; Open database connectivity interface; Online transaction processing

Classification Codes:

723.1.1 (Computer Programming Languages)

723.1 (Computer Programming); 723.2 (Data Processing); 722.4 (Digital Computers & Systems)

723 (Computer Software); 722 (Computer Hardware)

72 (COMPUTERS & DATA PROCESSING)

12/5/17 (Item 1 from file: 94)

DIALOG(R)File 94:JICST-Eplus

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01694325 JICST ACCESSION NUMBER: 92A0826953 FILE SEGMENT: JICST-E  
Development of the fifth generation computer. Unfinished revolution.(

Sponsor : Science and Technology Agency, Natl. Inst. of Sci. and Technology Policy ).

FUCHI KAZUHIRO (1)

(1) Inst. for New Generation Computer Technology

Kagaku Gijutsu Seisaku Kenkyujo Chosa Kenkyu Shiryo. Koenroku, 1992, NO.28  
, PAGE.28P

JOURNAL NUMBER: J0799AAG

UNIVERSAL DECIMAL CLASSIFICATION: 681.3.002 681.3.066

LANGUAGE: Japanese COUNTRY OF PUBLICATION: Japan

DOCUMENT TYPE: Journal

ARTICLE TYPE: Introduction article

MEDIA TYPE: Printed Publication

ABSTRACT: It is electrically simple to connect computers. However, **software** for their efficient utilization is very difficult to make.1) Technical frame to link knowledge processing to parallel processing.2) Process of research and development ( operating system, circuit design of LSI, UNIX, CAE ).3) Research results and evaluation ( parallel computer, information processing ).4) Research results opened to the public ( intellectual property ).5) Unfinished revolution ( technical progress, basic research, project management ).6) Ideal national project ( **pattern identification** , knowledge representation, artificial intelligence, open-loop system, administrative organizations ).The above themes are theoretically examined. Secondly, **questions** and answers about programing language ( logical language, Prolog, FORTRAN, COBOL ) and neuro computer are reported. 1992.5!.

DESCRIPTORS: programming language; sequential processing; parallel processing; parallel computer; UNIX; technology development; LSI; circuit design; CAE; logic programming language; Prolog; FORTRAN; neurocomputer; operating system

BROADER DESCRIPTORS: formal language; language; treatment; digital computer ; computer; hardware; system program; computer program; software; research and development; development; integrated circuit; micro circuit; design; computer application; utilization; high level language

CLASSIFICATION CODE(S): JE01000C; JD03020J

12/5/18 (Item 1 from file: 6)

DIALOG(R)File 6:NTIS

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1996069 NTIS Accession Number: PB97-138242

**NIST Form-Based Handprint Recognition System (Released 2.0)**

Garris, M. D. ; Blue, J. L. ; Candela, G. T. ; Grother, P. J. ; Janet, S.

A.

National Inst. of Standards and Technology (CSL), Gaithersburg, MD.  
Information Access and User Interface Div.

Corp. Source Codes: 099724008

Report No.: NISTIR-5959

Jan 97 71p

Languages: English

Journal Announcement: GRAI9710

See also PB94-217106.

Order this product from NTIS by: phone at 1-800-553-NTIS (U.S. customers); (703)605-6000 (other countries); fax at (703)321-8547; and email at orders@ntis.fedworld.gov. NTIS is located at 5285 Port Royal Road, Springfield, VA, 22161, USA.

NTIS Prices: PC A05/MF A01

Country of Publication: United States

The National Institute of Standards and Technology (NIST) has developed a new release of a standard reference form-based handprint recognition system for evaluating optical character recognition. As with the first release, NIST is making the new recognition system freely available to the general public on CD-ROM. This source code testbed, written entirely in C, contains both the original and the new recognition systems. New utilities are provided for conducting generalized form registration, intelligent form removal with character stroke preservation, robust text-line isolation in handprinted paragraphs, adaptive character segmentation based on writing style, and sophisticated Multi-Layer Perceptron (MLP) neural network classification. A software implementation of the machine learning algorithm used to train the new MLP is included in the testbed, enabling recipients to train the neural network for pattern recognition applications other than character classification. A host of data structures and low-level utilities are also provided. These include the application of spatial histograms, affine image transformations, simple image morphology, skew correction, connected components, Karhunen Loeve feature extraction, dictionary matching, and many more. The software testbed has been successfully compiled and tested on a host of UNIX workstations including computers manufactured by Digital Equipment Corporation, Hewlett Packard, IBM, Silicon Graphics Incorporated, and Sun Microsystems. Approximately 25 person-years have been invested in this software testbed, and it can be obtained free of charge on CD-ROM by sending a letter of request via postal mail or FAX to NIST. The report documents the new recognition software testbed in terms of its installation, organization, and functionality.

Descriptors: \*Optical character recognition; \*Handwriting; \*Standards; Artificial intelligence; Image processing; Performance evaluation; Classification; Computer programs; Neural networks

Identifiers: NTISCOMNBS

Section Headings: 62F (Computers, Control, and Information Theory--Pattern Recognition and Image Processing); 46C (Physics--Optics and Lasers); 62D (Computers, Control, and Information Theory--Information Processing Standards)

12/5/19 (Item 1 from file: 34)

DIALOG(R)File 34:SciSearch(R) Cited Ref Sci

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06843906 Genuine Article#: ZW387 Number of References: 46

Title: The Merck Gene Index browser: an extensible data integration system for gene finding, gene characterization and EST data mining

Author(s): Eckman BA (REPRINT) ; Aaronson JS; Borkowski JA; Bailey WJ; Elliston KO; Williamson AR; Blevins RA

Corporate Source: SMITHKLINE BEECHAM PHARMACEUT, DEPT BIOINFORMAT/KING OF PRUSSIA//PA/19406 (REPRINT); MERCK RES LABS, DEPT BIOINFORMAT/W POINT//PA/; MERCK RES LABS, DEPT IMMUNOL/RAHWAY//NJ/

Journal: BIOINFORMATICS, 1998, V14, N1, P2-13  
ISSN: 1367-4803 Publication date: 19980000  
Publisher: OXFORD UNIV PRESS, GREAT CLARENDON ST, OXFORD OX2 6DP, ENGLAND  
Language: English Document Type: ARTICLE  
Geographic Location: USA  
Subfile: CC LIFE--Current Contents, Life Sciences;

Journal Subject Category: BIOLOGY, MISCELLANEOUS; COMPUTER SCIENCE,  
INTERDISCIPLINARY APPLICATIONS; BIOCHEMICAL RESEARCH METHODS

Abstract: Motivation: To make effective use of the vast amounts of expressed sequence tag (EST) sequence data generated by the Merck-sponsored EST project and other similar efforts, sequences must be organized into gene classes, and scientists must be able to 'mine' the gene class data in the context of related genomic data.

Results: This paper presents the Merck Gene Index browser; an easily extensible, World Wide Web-based system for mining the Merck Gene Index (MGI) and related genomic data. The MGI is a non-redundant set of clones and sequences, each representing a distinct gene, constructed from all high-quality 3' EST sequences generated by the Merck-sponsored EST project. The MGI browser integrates data from a variety of sources and storage formats, both local and remote, using an eclectic integration strategy, including a federation of relational databases, a local data warehouse and simple hypertext links. Data currently integrated include: LENS cDNA clone and EST data, dbEST protein and I?on-EST nucleic acid similarity data, WashU sequence chromatograms, Entrez sequence and Medline entries, and UniGene gene clusters. Flatfile sequence data are accessed using the Bioapps server, an internally developed client-server system that supports generic sequence analysis applications. Browser data are retrieved and formatted by means of the Bioinformatics Data Integration Toolkit (B-DIT), a new suite of Perl routines.

Availability: Software is available on request from the authors.

Contact: barbara eckman@sbphrd.com.

Identifiers--Keyword Plus(R): EXPRESSED SEQUENCE TAGS; HUMAN GENOME;  
MOLECULAR ANALYSIS; MAP; TOOL; IDENTIFICATION; RESOURCE; IMAGE; STSS;  
PIR

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S2	3625	(DATA ( ) (MINING OR SNOOPING) OR KNOWLEDGE ( ) (DISCOVERY OR MANAGEMENT) OR KDD) (5N) (INTEGRAT? OR WITHIN OR INSIDE OR CONTAINED OR COMPOSED OR BLEND? OR EMBEDD? OR INCORPORAT?)
S3	21736	(QUESTION? ? OR QUERY OR QUERIES OR ASK? OR REQUEST? OR INQUIR?) (3N) (USER ( ) INTERFACE? OR SOFTWARE? OR ROUTINE? ? OR COMPONENTWARE? OR LINKER? OR GUI OR (GRAPHIC? OR TEXT) (2N) (DISPLAY OR MANIFEST? OR DEPICT? OR SHOW? ?))
S4	67	(S1 OR S2) AND S3 AND (INTERNET OR WWW OR WEB OR LAN OR WAN OR ELECTRONIC OR NET OR INTRANET OR ETHERNET OR EXTRANET OR ONLINE OR CYBER OR VIRTUAL? OR DIGITAL?)
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S6	22	RD (unique items)

6/3,K/1 (Item 1 from file: 484)  
DIALOG(R)File 484:Periodical Abs Plustext  
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03081076 (USE FORMAT 7 OR 9 FOR FULLTEXT)

**Drilling for data**

Eckerson, Wayne W

Computerworld (COW), v30 n49, p95-96, p.2

Dec 2, 1996

ISSN: 0010-4841 JOURNAL CODE: COW

DOCUMENT TYPE: Feature

LANGUAGE: English

RECORD TYPE: Fulltext; Abstract

WORD COUNT: 1259

ABSTRACT: The five categories of decision-support tools--reporting, managing query, executive information systems, **online** analytical processing and data mining--and a sampling of some of the key vendors in...  
TEXT:

... tools will be their ability to support high-performance, interactive queries across the World Wide **Web** .

There are five categories of decision-support tools, although the lines that separate them are...

...sampling of some of the key players in each:

Reporting

Managed query

Executive information systems

**Online** analytical processing (See OLAP tools review, page 101.)

Data mining

Reporting tools can be divided...

...oriented interfaces for designing and manipulating reports and modules for performing ad hoc queries and **online** analytical processing (OLAP) analyses.

Managed query tools shield end users from the complexities of SQL...

...embraced three-tier architectures to improve scalability. They support asynchronous query execution and integrate with **Web** servers. Managed query tools vendors also are racing to embed support for OLAP and data...  
...and Information Builders take a best-of-breed approach, offering Microsoft Corp. Office-like suites **composed** of managed query, OLAP and data mining tools.

Other leading managed **query** tools are IQ Software 's IQ Objects, Andyne Computing Ltd.'s GQL, IBM's Decision Server, Speedware Corp.'s...

...a high-level view of the business and access to external sources, such as custom, **online** news feeds. BIS applications highlight exceptions to normal business activity or rules by using color...

6/3,K/2 (Item 1 from file: 553)  
DIALOG(R)File 553:Wilson Bus. Abs. FullText  
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03817313 H.W. WILSON RECORD NUMBER: BWBA98067313 (USE FORMAT 7 FOR FULLTEXT)

**IT-enhanced productivity and profitability.**

King, William R

Information Systems Management (Inf Syst Manage) v. 15 no3 (Summer '98) p. 70-2

LANGUAGE: English

WORD COUNT: 2192

(USE FORMAT 7 FOR FULLTEXT)

...ABSTRACT: the integrated philosophies of total quality management and

business process reengineering, global communications networks, the **Internet** and the World Wide **Web**, intranets, enterprise systems, mass customization, **integrated** logistics, and **data mining** and warehousing. Details of these applications are provided.

TEXT:

... the important drivers are the integrated philosophies of TQM and BPR, global communications networks, the **Internet** and the World Wide **Web**, intranets, enterprise systems, mass customization, **integrated** logistics, and **data mining** and warehousing.

THE **INTEGRATED** BUSINESS PROCESS REENGINEERING (BPR) -- TOTAL QUALITY MANAGEMENT (TQM) PHILOSOPHY  
The pervasiveness of TQM and BPR...

...restart it using new technology and methods rather than making do with mediocre performance. The **net** result of the integrated TQM-BPR philosophy has been a new attitude of out with...

...various geographic locations because they can be recognized and utilized through the global networks.

THE **INTERNET** AND WORLD WIDE **WEB** ( **WWW** )  
Although its widespread use is only a few years old, and despite the difficulties that many firms have experienced in figuring out ways to make a profit on the **Internet**, some companies are using the World Wide **Web** ( **WWW** ) to good effect in enhancing productivity.

Cisco Systems, for example, handles 70[percent] of the support calls that it receives without human intervention. That use of the **Web** has saved about 1,000 staff positions and is worth \$125 million per year to...  
...is selling computers at the rate of over a million dollars a day using the **Web** -- an achievement that may lead to the creation of an entirely new business model for...

...sales. Dell already possessed a cost advantage because of its direct sales model, and the **Web** sales channel only can reduce costs and increase sales.

Other companies have been successful in conducting business on the **Web**, although they may not be profitable yet. Amazon.com, the **Internet** bookstore, has sold nearly tens of millions of books electronically. Other booksellers have rushed to use the **Web** to augment their traditional approaches, fearing that the entire nature of book selling may be...

...ease of access, and availability to book buyers.

Firms in other industries are experimenting with **Web**-based models, and entirely new businesses are being created at a rapid pace. (FN3)

#### INTRANETS

Just as the **Internet** has created new opportunities for firms, the in-house versions that are referred to as computer-supported cooperative work (CSCW) the normal way in which some businesses operate. The early **intranet** applications primarily served to disseminate information to employees concerning benefit plans, internal job opportunities and the like. They benefited everyone and enhanced productivity somewhat by allowing **electronic** selection of options. They also may have increased the morale and awareness of employees.

However...

...can handle graphics), software to get data into warehouses, software to operate data warehouses, and **software** for designing **queries** to probe databases, managers have available a newfound wealth of relevant business information.

#### CONCLUSION

Taken...

...information technology -- the management philosophy that has grown from TQM and BPR, global networks, the **Internet**, intranets, enterprise systems, mass customization and integrated logistics, and data warehousing and mining -- have had...19, 1997, pp. 29-34.

3. Clark, D., "Sampling of Start-Ups shows How the **Internet** Inspires," Wall Street Journal, June 4, 1997, pp. B1 and B4.

...

6/3,K/3 (Item 1 from file: 15)

DIALOG(R) File 15:ABI/Inform(R)

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01633836 02-84825

**Data Mining in Marketing: Part 2**

Peacock, Peter R

Marketing Management v7n1 PP: 14-25 Spring 1998

ISSN: 1061-3846 JRNL CODE: MMA

WORD COUNT: 5173

...TEXT: and the results can be in the form of standard paper reports or in an **electronic** form made available over the corporate network or **intranet**

#### Recalibrating the Model

Individual behavior changes, households reconstitute themselves, and the marketing environment of every...

... data mart" supporting the analytical requirements of an individual department. It also could be a "**virtual** warehouse" in software and communications links between a customer information file and the company's ... results available to decision makers in the output phase. This can involve paper reports or **electronic** text and graphics accessible via software tools on the desktop client machines of marketing managers... documentation describing the algorithms and how they are to be run, and the names of **online** computer directories where they are to be stored. Formats for decision rules would include the...

...where they can be found, and access restriction specifications.

Formal reports can be delivered in **electronic** or paper formats, in straight text or multimedia, or through a variety of other communications media-regular or intra-organizational mail, email, or **Web**-based delivery. Hypotheses about relationships would normally be presented in descriptive text in a working...

...major data mining vendors offering products and services, and additional listings can be found at [www.sentrytech.com](http://www.sentrytech.com). These vendors' computing platforms, approximate price ranges, and product descriptions are readily available by linking to their **web** sites. Many vendors also provide downloadable, limited-use demo copies of their software applications.

(Table...the next project and makes it easier to obtain project approval.

#### Privacy Concerns

In the **electronic** age, individual privacy is a hotbutton issue. New laws restricting access to data and how...

#### ...The Future

With the emergence of interactive TV, the continued expansion of the World Wide **Web**, and increasing capabilities of ATMs and other point-of-sale technologies, customer contact points will become...

...mail offers, catalog drops, and customer reactivation efforts.

Increasingly, however, we will encounter applications of **embedded data mining**, where **data mining** capabilities are **incorporated** directly into dynamic, real-time operations. Companies that **integrate** their operational systems and **data mining** infrastructures will be far better prepared than their competitors to implement the increasingly important share... data mining tool suites before settling on one that included visualization, decision tree, and neural **net** capabilities as well as a set of standard statistical **routines** and a **query** engine. Now they are ready to plunge into KDD.

Footnote: .

Endnote

Footnote:

1Enhancement data, also...

6/3,K/4 (Item 2 from file: 15)

DIALOG(R)File 15:ABI/Inform(R)

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01369935 00-20922

A chat with your CIO

Sommer, Brian S

Financial Executive v13n1 PP: 33-36 Jan/Feb 1997

ISSN: 0895-4186 JRNL CODE: FEX

WORD COUNT: 1742

...ABSTRACT: being done in information systems beyond transaction processing? 3. What is being done about the **Internet**? 4. How much integration is really needed? 5. If technology continues to rapidly become obsolete...

...TEXT: and your people focus on these critical components?

3. What are we doing about the **Internet**?

Since many information systems are egocentric, many firms have been slow to pick up on opportunities to use business-to-business or business-to-customer information systems across the **Internet**. The evolution of information systems is moving beyond the four walls of your firm. Your...

...to connect your package software to other vendors' package software.

But you must plan your **Internet** access and applications well. Your firm must architect the necessary security to protect other information assets before you open your company to the **Internet**. After you've done that, the **Internet** represents a significant chance to simplify communications. Indeed, for many new firms, the **Internet** is their network. They never built or supported any other network; they simply use the **Internet**.

Failure to understand and exploit your opportunities in this sector may leave your firm at... you find new benefits and new value? Look in areas like business-tobusiness commerce, global **integration** of the enterprise, **knowledge management**, asset-building systems, custom strategic applications and data-mining applications.

The focus of these business...

...a particular vertical market.

If you desire a partnership or highly influential relationship with a **software** vendor, candidly ask yourself: What is it I intend to give and

get in this deal? Does the...

...functions),

combine two or more technologies to dramatically reduce process time (for example, use the **Internet** and smart agents to automate shopping decisions so purchasing personnel are able to spend more...

6/3,K/5 (Item 1 from file: 275)

DIALOG(R) File 275:Gale Group Computer DB(TM)

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02246314 SUPPLIER NUMBER: 21260155 (USE FORMAT 7 OR 9 FOR FULL TEXT)

**Emerging managed care technologies. (Excerpt from Change drivers:**

**Information Systems for Managed Care) (Industry Trend or Event)**

Garets, David; Hanna, Douglas

Health Management Technology, v19, n11, p28(4)

Oct, 1998

ISSN: 1074-4770

LANGUAGE: English

RECORD TYPE: Fulltext; Abstract

WORD COUNT: 2668 LINE COUNT: 00293

TEXT:

Call centers, data warehouses, touch-screen kiosks, and **Internet** information networks are playing major roles as new business enablers, helping health care organizations manage...

... based computers

and wireless  
technologies

for clinician documentation;  
two-way pagers; wireless LANs;  
limited personal **digital** assistant  
(PDA) applications for physician  
documentation, phone directory,  
E-mail

Patient

Limited technology at present...

...version of

HealthWise handbook; E-mail  
connectivity to PCPs; some  
physiological monitoring in the home

**Electronic** data  
interchange (EDI)

Claims, pre-authorizations, referrals,  
remittance advice, direct ordering  
of supplies, equipment

**Internet** access and  
World Wide **Web** sites

Patient registration from home;  
dissemination of clinical guidelines;  
explanation of procedures to  
patients; certified managed care  
executive (CME...

...of medical  
recognition (OCR)

record forms, reading claims forms

Kiosks with touch  
screens

Links to enterprise **intranet**

Rules-based  
technologies  
and expert systems

Financial and clinical decision-support  
tools, preauthorization  
and...

...images, order entry and  
technologies

results reporting, E-mail, home, health,  
telemedicine and telecommuting

Patient

**Virtual** visits to PCPs via **Internet** or

self-management                   IDS **intranet** , extensive physiological monitoring in the home; wellness software for member home PCs, home health training, and education

**Electronic** data                   Enhanced communication between interchange (EDI)                   employers and providers, payers, and financial institutions; workers' compensation claim tracking; communication between providers of computer-based patient record components

**Internet** access and               Backbone for national health World Wide **Web** sites               information network; means to access national master member index, core technology for customized data...

...and paperless office

Kiosks with touch                   Public access to information through screens                   integration with the **intranet** and **Internet**

Rules-based                         Systems to read pathology, radiology technologies                   images, clinician assistant, financial and expert systems               and clinical systems **data mining** , **integrated** information technology management systems

Client-server                       Development of object-based, development tools                   **request** -brokered **software** using client-server tools to provide customized, complex, cross-platform systems solutions

Today most integrated...

...processing

Imaging is the process by which graphical or textual information is converted to a **digital** format through the use of specialized scanning technology. At a minimum, imaging applications must:

- \* Provide basic functionality and technology to scan **digital** images created from paper-based inputs;
- \* Provide indexing capabilities for those **digital** images;
- \* Assist in managing the physical media where the images will be stored, preferably optical disks; and
- \* Retrieve, view, and manipulate the **digital** images based on specified indexes or alternate keys.

Despite critics who feel it is a...

...business processes.

With workflow technology, information (or work) is captured as an image, fax, or **electronic** data interchange (EDI) input. The information is identified, and data is entered and routed to...workflow systems. We will soon see better solutions that incorporate new technologies like telephony and **Internet** / **intranet** . The market also will force a continued consolidation of vendors, resulting in five or fewer...

...will link member homes and the managed care providers. One promising solution is ADSL (asymmetric **digital** subscriber loop), which will allow transmission of full-motion, on-demand video, voice, images, and...

...manipulating information, generally in the categories of databases, point-and-click ad hoc query tools, **online** analytical processing (OLAP) tools, and data mining tools.

The data warehouse provides end users with...no longer viable -- the

move is to client-server, with special attention being paid to **Web** technologies and CTI. At the same time, multimedia applications are quickly evolving, which means migrating...

6/3,K/6 (Item 2 from file: 275)  
DIALOG(R) File 275:Gale Group Computer DB(TM)  
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02224799 SUPPLIER NUMBER: 53055704 (USE FORMAT 7 OR 9 FOR FULL TEXT)  
**DOCUMENT MANAGEMENT SOFTWARE.(Buyers Guide)**  
Miles, J.B.  
Government Computer News, 57(1)  
Sept 28, 1998  
DOCUMENT TYPE: Buyers Guide ISSN: 0738-4300 LANGUAGE: English  
RECORD TYPE: Fulltext  
WORD COUNT: 4278 LINE COUNT: 00752

... of flotsam. And, unquestionably, it's difficult to get a handle on what it means. Ask 100 **software** developers, secretaries or government information systems directors for a definition and you'll likely get...

...of most offices. A study by the international accounting firm Ernst and Young indicated that **electronic** document management can triple processing capacity, cut staff work time by up to 50 percent...

...often include document imaging, file management, workflow management, computer output to laser disk (COLD) processes, **Web** -page publishing, forms processing, text mining and even text formatting. Highly integrated **Web** systems are beginning to dominate the market.

Great price

Definitions of modem document management systems...

...the processing but offloads some tasks to a PC running Windows 95 or NT.

Such **LAN** designs offered many benefits, but low price wasn't one of them. Although most systems...

...storage media and create a solid strategy for retrieval, and management of stored information. Add **Internet** use, which has spread around the globe faster than chicken pox in kindergarten, and you have highly affordable document management at your fingertips.

Using **Web** browsers as the main tools for information gathering and dissemination, programs that cost thousands of...

...selected by users. More than half of the programs listed-27 out of 40-are **Web** -enabled. The message to software makers is: Put a **Web** component in your document management system or risk extinction.

Some high-end enterprise document management...

...and browser-based thin ones. Thick clients, full-fledged PCs or workstations running on a **LAN**, can offload heavy portions of the document management workload from a server running Windows NT...

...onto their own processors. Thin clients, which are less robust and powerful, work via a **Web** browser such as Netscape Navigator or Microsoft **Internet** Explorer. With less processing overhead to manage, they cost less per seat to implement.

Platinum...

...support for both thick and thin clients. At its core, however, it is a true **Web** -based document management system and includes document content gathering, versioning and usage.

Intertech Information Management Inc.'s DocuPact **Web** Server 3.2 and Netright Technologies Inc.'s iManage Network 4.0 are straightforwardly **Web** -based. DocuPact **Web** Server is designed mainly for document viewing and annotation. The iManage Network software operates from a three-tiered design that provides open access to documents from remote computers over

the **Internet** using standard **Web** browsers. It is scalable from a handful to several thousand users.

#### Document sharing

**Net -It** Software Corp.'s **Net -It Central 2.6** clients use browsers exclusively for **Web** publishing and **intranet** document sharing. Lotus Development Corp.'s **Web** -based **Domino.doc 2.0** works with Lotus' **Domino** and **Notes** for enterprise-wide document management...

...supports enhanced log reporting for tracking activity on the server and **Secure Sockets Layer** for **extranet** apps.

Together with **Encanto Networks Inc.** and **Chiliad Publishing Inc.**, **Xerox** plans to incorporate **DocuShare 1.5** into **Web** access and publishing software.

The move to **Web** technology is the most dominant trend among document management systems, but it's not the only one. The **AIIM-IDC** study also lists **integrated** functions, standards compliance, scalability and **knowledge management** as other key factors in the document management strategies.

Users once had to settle for...services for **AIIM**.

Information about the **ODMA 2.0 SDK** is posted on the **AIIM Web** site at <http://www.aiim.org/industry/standards!intex.html>.html

**DOD** standard

Another standards effort, especially important for...

...products to certify compliance. **DISA** provides more details about the process on its records management **Web** site at <http://www.jitc-emh.army.mil/recmgt/>.

Increasingly, users want to scale their document...

...described how a large petroleum company using **Lotus Notes** and **Domino** also uses videoconferencing and **online** whiteboarding as part of its document management strategy. Via its network, a company representative can ...

...real time call up corporate experts to help explain the array of text, graphical and **Web** documents used in a particular technical discussion. **Papows** called it the future of collaboration and...

...newspaper clippings and word-processed documents that litter your desktop?

A quick scan of the **Web** turned up several technologies that cost about \$100 and can help you clean up, if...

...a fairly complete storage system that includes user-defined folders. Check it out at <http://www.visioneer.com>.

The single-user version of **Computhink Inc.**'s **The Paperless Office**, priced at...

...with storage management to help individuals and small groups facilitate workflow. Research it at <http://www.computhink.com>

The \$100 **Pagis Pro 20** from **ScanSoft Inc.** of **Peabody, Mass.**, at <http://www.pagis.com>, is similar to **The Paperless Office** but integrates with **Microsoft Windows** to scan...

...Details about **Newsoft Inc.**'s \$49 **Presto PageManager 98 3.0** are posted at <http://www.newsoftinc.com>. **Newsoft** of **Fremont, Calif.**, bills it as a three-tiered personal document manager with an image filing cabinet, disk explorer and **Web** page manager. It also comes with a fuzzy search engine for finding documents by key-words and annotation tools for **electronic** document markup.

It is about you

The \$39 **PageKeeper Standard** from **Caere Corp.** of **Los...**

...of **PageKeeper** is bundled free with many third-party scanners. Get the details at <http://www.caere.com>.

**Mindworks Corp.** of **Sunnyvale, Calif.**, has a \$100 **Recollect 95** that isn't imaging software, but offers powerful full-text fuzzy search

capabilities.

Manage your purchase

( ) Web technology, low-cost scanners and cheap storage have combined to make document management affordable.

( ) No...products that will best meet your requirements.

Document management

( ) Intuitive search and query capabilities via Web browser

( ) Ability to save and print search results

( ) Search templates

( ) User-definable folders for organizing...

...Objects for interfaces to document properties, folders, file class and property descriptions

( ) Support for building Internet apps

( ) Web server-based administration tools

( ) Remote diagnostics

Application integration

( ) Easy integration with other modules of the...

...least 50M of hard disk space, 64M of RAM on thick clients

( ) Support for Microsoft Internet Explorer 3.0 and Netscape Navigator or Communicator 3.0 or higher

To manage all...

...Corp.

NetVue 2.0

2 Westborough Business Park

Westborough, Mass. 01581

508-898-2770

[http:// www .accusoft.com](http://www.accusoft.com)

Altris Software Inc.

Pro EDM 1.0

9339 Carroll Park Drive

San Diego, Calif. 92121

619-629-3000

[http:// www .altris.com](http://www.altris.com)

Cardiff Software Inc.

Teleform Standard and Elite 5.4

1782 La Costa Meadows Dr.

San Marcos, Calif. 92069

760-752-5200

[http:// www .cardiffsw.com](http://www.cardiffsw.com)

Computhink Inc.

The Paperless Office 2.1

860 Parkview Blvd.

Lombard, Ill. 60148

630-705-9050

[http:// www .computhink.com](http://www.computhink.com)

Diamond Head Software Inc.

ImageBASIC 3.0

1217 Digital Drive

Richardson, Texas 75081

972-479-9205

[http:// www .dhs.com](http://www.dhs.com)

Document Sciences Corp.

Autograph 6.4

6333 Greenwich Drive

San Diego, Calif. 92122

619-625-2000

[http:// www .docscience.com](http://www.docscience.com)

Documentum Inc.

EDMS 98 3.0

5671 Gibraltar Drive

Pleasanton, Calif. 94588

510-463-6300

[http:// www .documentum.com](http://www.documentum.com)

Eastman Software Inc.

Document Manager for Microsoft  
Exchange (DMX) 2.0

600 Technology Drive

Billerica, Mass. 01821

978-967-8000  
http:// [www .eastmansoftware.com](http://www.eastmansoftware.com)  
FileNet Corp.  
3565 Harbor Blvd.  
Costa Mesa, Calif. 92626  
714-966-3400  
http:// [www .filenet.com](http://www.filenet.com)  
Framework Technologies Corp.  
23 Third Ave.  
Burlington, Mass. 01803...

IDM Desktop 2.0

ActiveProject Server 3.0

...Inc.

Doc 1 1.0

4200 Parliament Ave.

Lanham, Md. 20706

301-731-2300

http:// [www .gl.com](http://www.gl.com)

Intertech Information Management Inc. DocuPact Web Server 3.2

400 Perimeter Center Terrace

Atlanta, Ga. 30346

770-804-8080

http:// [www .intertech.com](http://www.intertech.com)

**IntraNet**

Solutions Inc.

Intra.doc Management Systems 3.0

9625 W. 76th St.

Eden Prairie, Minn. 55344

612-903-2000

http:// [www .intranetsol.com](http://www.intranetsol.com)

Keyfile Corp.

Keyfile 4.0

22 Cotton Road

Nashua, N.H. 03063

603-883-3800

http:// [www .keyfile.com](http://www.keyfile.com)

Kofax Image Products Inc.

Ascent Storage 4.0

3 Jennifer St.

Irvine, Calif. 92718

949-727-1733

http:// [www .kofax.com](http://www.kofax.com)

Lava Systems Inc.

Lava Enabler 1.0

2300 Bloor St. W.

Toronto, Ont, Can. M8X 271

416-236-5282

http:// [www .lavasys.com](http://www.lavasys.com)

Lotus Development Corp.

Domino.doc 2.0

55 Cambridge Parkway.

Cambridge, Mass. 02142

617-577-8500

http:// [www .lotus.com](http://www.lotus.com)

MacroSoft Ltd.

Synergy 6.0

2523 Product Court

Rochester Hills, Mich. 48309

248-853-5353

http:// [www .macrosoft.com](http://www.macrosoft.com)

Mosaix Inc.

ViewStar 5.0

1101 Marina Village Parkway

Alameda, Calif. 94501

510-337-2000

http:// [www .mosaix.com](http://www.mosaix.com)

**Net -It Software Corp.**

Net -It Central 2.6

1550 Bryant St.

San Francisco, Calif. 94103

415-551-0600

http:// [www .netit.com](http://www.netit.com)

NetRight Technologies Inc.

IManage Network 4.0

470 Mercury Drive

Sunnyvale, Calif. 94086

408-523-4005

http:// [www .netright.com](http://www.netright.com)  
Novasoft Systems Inc.  
10 Burlington Mall Road  
Burlington, Mass. 01803  
781-685-1533

Novation 1.0

http:// [www .netright.com](http://www.netright.com)  
Novell Inc.  
1555 N. Technology Way  
Provo, Utah 84057  
801-228-5020

Web Publisher 1.0

http:// [www .novell.com](http://www.novell.com)  
Open Text Corp.  
185 Columbia St. W.  
Waterloo, Ont., Can. N2L 5Z5  
519-888-7111

LiveLink Intranet 8.0

http:// [www .opentext.com](http://www.opentext.com)  
Open Text Corp.  
6600 Frantz Road  
Dublin, Ohio 43016  
614-761-8083

BASIS 8.2

http:// [www .opentext.com](http://www.opentext.com)  
Optika Imaging Systems Inc.  
5755 Mark Debling Blvd.  
Colorado Springs, Colo. 80919  
719-548-9800

eMedia 1.0

http:// [www .optika.com](http://www.optika.com)  
PC DOCS Inc.  
25 Burlington Mill Road  
Burlington, Mass. 01803  
617-273-3800  
http:// [www .pcdocs.com](http://www.pcdocs.com)

DOCSFusion 2.5

Platinum Technology Inc.  
1815 S. Meyers Road  
Oakbrook Terrace, Ill. 60181  
630-620-5000

Raveler 1.0

http:// [www .platinum.com](http://www.platinum.com)  
Plumtree Software Inc.  
235 Pine St.  
San Francisco, Calif. 94104  
415-263-8900

Plumtree Server 1.0

http:// [www .plumtreesoft.com](http://www.plumtreesoft.com)  
PowerScan Inc.  
1151A Seven Locks Road  
Potomac, Md. 20854  
301-315-0240  
http:// [www .pwrscan.com](http://www.pwrscan.com)

StageWorks 3.3

Radian Systems Inc.  
ger

WorldScan Distributed Object Mana

1.5 (WSDOM)

5845 Richmond Highway  
Alexandria, Va. 22303  
703-317-2000  
http:// [www .radsys.com](http://www.radsys.com)  
Samson Information Technologies LLC  
220 E. 42nd St  
New York, N.Y. 10017  
212-616-8600  
http:// [wwwsamsoninfotech.com](http://wwwsamsoninfotech.com)

Image Navigator 3.5

Vendor  
Accusoft Corp.  
-based document publishing  
2 Westborough Business Park  
Westborough, Mass. 01581

Main function  
Web

508-898-2770  
[http:// www .accusoft.com](http://www.accusoft.com)

Altris Software Inc.  
9339 Carroll Park Drive  
San Diego, Calif. 92121  
619-629-300  
[http:// www .altris.com](http://www.altris.com)  
Cardiff Software Inc.  
1782 La Costa Meadows Dr.  
San Marcos, Calif. 92069  
760-752-5200  
[http:// www .cardiffsw.com](http://www.cardiffsw.com)

Enterprises docuemnt management

Document imaging

Computhink Inc.  
860 Parkview Blvd.  
Lombard, Ill. 60148  
630-705-9050  
[http:// www .computhink.com](http://www.computhink.com)

Document and image management for  
small to medium workgroups

Diamond Head Software Inc.  
it

Document imaging developers tool k

1217 Digital Drive  
Richardson, Texas 75081  
972-479-9205  
[http:// www .dhs.com](http://www.dhs.com)  
Document Sciences Corp.  
6333 Greenwich Drive  
San Diego, Calif. 92122  
619-625-2000  
[http:// www .docscience.com](http://www.docscience.com)  
Documentum Inc.  
5671 Gibraltar Drive  
Pleasanton, Calif. 94588  
510-463-6300  
[http:// www .documentum.com](http://www.documentum.com)

Document formatting

Enterprise document management  
manegement

Eastman Software Inc.  
600 Technology Drive  
Billerica, Mass. 01821  
978-967-8000  
[http:// www .eastmansoftware.com](http://www.eastmansoftware.com)

Enterprise document management

FileNet Corp.  
3565 Harbor Blvd.  
Costa Mesa, Calif. 92626  
714-966-3400  
[http:// www .filenet.com](http://www.filenet.com)

Enterprise document management

Framework Technologies Corp.  
23 Third Ave.  
Burlington, Mass. 01803  
781...

Compound document management

...Software Inc.  
4200 Parliament Ave.  
Lanham, Md. 20706  
301-731-2300  
[http:// www .gl.com](http://www.gl.com)  
Intertech Information Management Inc. Web  
-based document viewing, annotation  
400 Perimeter Center Terrace  
Atlanta, Ga. 30346  
770-804-8080  
[http:// www .intertech.com](http://www.intertech.com)

Document layout, printing

IntraNet Solutions Inc.  
9625 W. 76th St.  
Eden Prairie, Minn. 55344  
612-903-2000  
[http:// www .intranetsol.com](http://www.intranetsol.com)

General document management

Keyfile Corp.

Document management and workflo

w

22 Cotton Road  
Nashua, N.H. 03063  
603-883-3800  
[http:// www .keyfile.com](http://www.keyfile.com)  
Kofax Image Products Inc.  
3 Jennifer St.  
Irvine, Calif. 92718  
949-727-1733  
[http:// www .kofax.com](http://www.kofax.com)  
Lava Systems Inc.

Optical storage management

Document and image management,  
workflow management

2300 Bloor St. W.  
Toronto, Ont, Can. M8X 271  
416-236-5282  
[http:// www .lavasys.com](http://www.lavasys.com)  
Lotus Development Corp.  
55 Cambridge Parkway.  
Cambridge, Mass. 02142  
617-577-8500  
[http:// www .lotus.com](http://www.lotus.com)

General document management

MacroSoft Ltd.

Enterprise document management

2523 Product Court  
Rochester Hills, Mich. 48309  
248-853-5353  
[http:// www .macrosoft.com](http://www.macrosoft.com)  
Mosaix Inc.  
1101 Marina Village Parkway  
Alameda, Calif. 94501  
510-337-2000  
[http:// www .mosaix.com](http://www.mosaix.com)  
Net -It Software Corp.

Workflow management

Intranet document

Web publishing,

sharing

1550 Bryant St.  
San Francisco, Calif. 94103  
415-551-0600  
[http:// www .netit.com](http://www.netit.com)  
NetRight Technologies Inc.  
470 Mercury Drive  
Sunnyvale, Calif. 94086  
408-523-4005  
[http:// www .netright.com](http://www.netright.com)

General document management

Novasoft Systems Inc.

Enterprise document management

10 Burlington Mall Road  
Burlington, Mass. 01803  
781-685-1533  
[http:// www .netright.com](http://www.netright.com)

Novell Inc.

Document management and publishin

g

1555 N. Technology Way  
Provo, Utah 84057  
801-228-5020  
[http:// www .novell.com](http://www.novell.com)  
Open Text Corp.  
185 Columbia St. W.

Enterprise document management

Waterloo, Ont., Can. N2L 5Z5  
519-888-7111  
[http:// www .opentext.com](http://www.opentext.com)  
Open Text Corp.  
6600 Frantz Road  
Dublin, Ohio 43016  
614-761-8083  
[http:// www .opentext.com](http://www.opentext.com)  
Optika Imaging Systems Inc.  
5755 Mark Debling Blvd.  
Colorado Springs, Colo. 80919  
719-548-9800  
[http:// www .optika.com](http://www.optika.com)

General document management

General document management

PC DOCS Inc.

Integrated enterprise document  
management

25 Burlington Mill Road  
Burlington, Mass. 01803  
617-273-3800  
[http:// www .pcdocs.com](http://www.pcdocs.com)

Platinum Technology Inc.  
1815 S. Meyers Road  
Oakbrook Terrace, Ill. 60181  
630-620-5000  
[http:// www .platinum.com](http://www.platinum.com)  
Plumtree Software Inc.

Enterprise document management

Intranet

document management

235 Pine St.  
San Francisco, Calif. 94104  
415-263-8900  
[http:// www .plumtreesoft.com](http://www.plumtreesoft.com)

Image management

PowerScan Inc.  
1151A Seven Locks Road  
Potomac, Md. 20854  
301-315-0240  
[http:// www .pwrscan.com](http://www.pwrscan.com)

Image management

Radian Systems Inc.  
5845 Richmond Highway  
Alexandria, Va. 22303  
703-317-2000  
[http:// www .radsys.com](http://www.radsys.com)  
Samson Information Technologies LLC  
220 E. 42nd St  
New York, N...

Image management

...Accusoft Corp.

Open Systems

2 Westborough Business Park  
Westborough, Mass. 01581  
508-898-2770  
[http:// www .accusoft.com](http://www.accusoft.com)  
Altris Software Inc.  
9339 Carroll Park Drive  
San Diego, Calif. 92121  
619-629-300  
[http:// www .altris.com](http://www.altris.com)  
Cardiff Software Inc.  
1782 La Costa Meadows Dr.  
San Marcos, Calif. 92069  
760-752-5200  
[http:// www .cardiffsw.com](http://www.cardiffsw.com)

Win9x, NT

Win9X, NT

Computhink Inc.

Win9X, NT, NT SErver, NetWare 4x,  
NetWare 3.12

860 Parkview Blvd.  
Lombard, Ill. 60148

630-705-9050  
[http:// www .computhink.com](http://www.computhink.com)  
 Diamond Head Software Inc.  
 1217 Digital Drive  
 Richardson, Texas 75081  
 972-479-9205  
[http:// www .dhs.com](http://www.dhs.com)

Win9x, NT

Document Sciences Corp. NT, Unix, various mainframe Oses

6333 Greenwich Drive  
 San Diego, Calif. 92122  
 619-625-2000  
[http:// www .docscience.com](http://www.docscience.com)

Open Systems

Documentum Inc.  
 5671 Gibraltar Drive  
 Pleasanton, Calif. 94588  
 510-463-6300  
[http:// www .documentum.com](http://www.documentum.com)

Win9x, NT

Eastman Software Inc.  
 600 Technology Drive  
 Billerica, Mass. 01821  
 978-967-8000  
[http:// www .eastmansoftware.com](http://www.eastmansoftware.com)

NT

FileNet Corp.  
 3565 Harbor Blvd.  
 Costa Mesa, Calif. 92626  
 714-966-3400  
[http:// www .filenet.com](http://www.filenet.com)  
 Framework Technologies Corp.  
 23 Third Ave.  
 Burlington, Mass. 01803  
 781-270-6554...

NT

...Unix, AS/400, VMS MVS

4200 Parliament Ave.  
 Lanham, Md. 20706  
 301-731-2300  
[http:// www .gl.com](http://www.gl.com)  
 Intertech Information Management Inc. NT  
 400 Perimeter Center Terrace  
 Atlanta, Ga. 30346  
 770-804-8080

NT

[http:// www .intertech.com](http://www.intertech.com)  
 IntraNet Solutions Inc.  
 9625 W. 76th St.  
 Eden Prairie, Minn. 55344  
 612-903-2000  
[http:// www .intranetsol.com](http://www.intranetsol.com)  
 Keyfile Corp.

Win9x, NT

22 Cotton Road  
 Nashua, N.H. 03063  
 603-883-3800  
[http:// www .keyfile.com](http://www.keyfile.com)  
 Kofax Image Products Inc.  
 3 Jennifer St.  
 Irvine, Calif. 92718  
 949-727-1733

NT

[http:// www .kofax.com](http://www.kofax.com)  
 Lava Systems Inc.  
 2300 Bloor St. W.

Win9x, NT

Toronto, Ont, Can. M8X 271  
 416-236- 5282  
[http:// www .lavasys.com](http://www.lavasys.com)  
 Lotus Development Corp.  
 55 Cambridge Parkway.  
 Cambridge, Mass. 02142

NT

617-577-8500  
http:// [www .lotus.com](http://www.lotus.com)  
MacroSoft Ltd.  
2523 Product Court  
Rochester Hills, Mich. 48309  
248-853-5353

NT

http:// [www .macrosoft.com](http://www.macrosoft.com)  
Mosaix Inc.  
1101 Marina Village Parkway  
Alameda, Calif. 94501  
510-337-2000

NT

http:// [www .mosaix.com](http://www.mosaix.com)  
Net -It Software Corp.  
1550 Bryant St.

Win9x, NT

San Francisco, Calif. 94103  
415-551-0600

http:// [www .netit.com](http://www.netit.com)  
NetRight Technologies Inc.  
470 Mercury Drive  
Sunnyvale, Calif. 94086  
408-523-4005

Win9x, NT

http:// [www .netright.com](http://www.netright.com)  
Novasoft Systems Inc.  
10 Burlington Mall Road  
Burlington, Mass. 01803  
781-685-1533

Win9x, NT, HP-UX, Solaris

http:// [www .netright.com](http://www.netright.com)  
Novell Inc.  
1555 N. Technology Way  
Provo, Utah 84057  
801-228-5020

NetWare

http:// [www .novell.com](http://www.novell.com)  
Open Text Corp.  
185 Columbia St. W.  
Waterloo, Ont., Can. N2L 5Z5  
519-888-7111

Win9x, NT, HP-UX, Solaris

http:// [www .opentext.com](http://www.opentext.com)  
Open Text Corp.  
6600 Frantz Road  
Dublin, Ohio 43016  
614-761-8083

NT

http:// [www .opentext.com](http://www.opentext.com)  
Optika Imaging Systems Inc.  
5755 Mark Debling Blvd.  
Colorado Springs, Colo. 80919  
719-548-9800

Win9x, NT

http:// [www .optika.com](http://www.optika.com)  
PC DOCS Inc.  
25 Burlington Mill Road  
Burlington, Mass. 01803  
617-273-3800

NT

http:// [www .pcdocs.com](http://www.pcdocs.com)

Platinum Technology Inc.  
1815 S. Meyers Road  
Oakbrook Terrace, Ill. 60181  
630-620-5000

Win9x, NT, HP-UX, Solaris, IBM AIX

http:// [www .platinum.com](http://www.platinum.com)  
Plumtree Software Inc.  
235 Pine St.  
San Francisco, Calif. 94104  
415-263-8900

NT

http:// [www .plumtreesoft.com](http://www.plumtreesoft.com)  
PowerScan Inc.  
1151A Seven Locks Road

Win9x, NT

Potomac, Md. 20854  
301-315-0240  
[http:// www .pwrscan.com](http://www.pwrscan.com)  
Radian Systems Inc.  
5845 Richmond Highway  
Alexandria, Va. 22303  
703-317-2000

NT

[http:// www .radsys.com](http://www.radsys.com)  
Samson Information Technologies LLC  
220 E. 42nd St  
New York, N.Y. 10017  
212-616-8600  
<http://www.samsoninfotech.com>

Win9x, NT

Vendor  
Accusoft Corp.  
2 Westborough Business Park  
Westborough, Mass. 01581  
508-898-2770

Design  
Web -based clients

[http:// www .accusoft.com](http://www.accusoft.com)  
Altris Software Inc.  
9339 Carroll Park Drive  
San Diego, Calif. 92121  
619-629-300  
[http:// www .altris.com](http://www.altris.com)  
Cardiff Software Inc.

Client-server

Client with Internet

module

1782 La Costa Meadows Dr.  
San Marcos, Calif. 92069  
760-752-5200  
[http:// www .cardiffsw.com](http://www.cardiffsw.com)  
Computhink Inc.

Client-server, Web

-based clients

860 Parkview Blvd.  
Lombard, Ill. 60148  
630-705-9050  
[http:// www .computhink.com](http://www.computhink.com)  
Diamond Head Software Inc.  
1217 Digital Drive  
Richardson, Texas 75081  
972-479-9205

Application development tools

[http:// www .dhs.com](http://www.dhs.com)  
Document Sciences Corp.  
6333 Greenwich Drive  
San Diego, Calif. 92122  
619-625-2000  
[http:// www .docscience.com](http://www.docscience.com)

Client-server

Documentum Inc.  
5671 Gibraltar Drive  
Pleasanton, Calif. 94588  
510-463-6300

Web -based clients  
clients

[http:// www .documentum.com](http://www.documentum.com)  
Eastman Software Inc.  
600 Technology Drive  
Billerica, Mass. 01821  
978-967-8000  
[http:// www .eastmansoftware.com](http://www.eastmansoftware.com)  
FileNet Corp.

Client-server

Client-server, Web

-based clients

3565 Harbor Blvd.  
Costa Mesa, Calif. 92626  
714-966-3400  
[http:// www .filenet.com](http://www.filenet.com)  
Framework Technologies Corp.

Client-server, Web

-based clients

23 Third Ave.

Burlington, Mass. 01803	
781-270-6554	
<a href="http://www.frametech.com">http://www.frametech.com</a>	
Group 1 Software Inc.	Client-server
4200 Parliament Ave.	
Lanham, Md. 20706	
301-731-2300	
<a href="http://www.g1.com">http:// www .g1.com</a>	
Intertech Information Management Inc.	Client-server
400 Perimeter Center Terrace	
Atlanta, Ga. 30346	
770-804-8080	
<a href="http://www.intertech.com">http:// www .intertech.com</a>	
IntraNet Solutions Inc.	Client-server Web
-based clients	
9625 W. 76th St.	
Eden Prairie, Minn. 55344	
612-903-2000	
<a href="http://www.intranetsol.com">http:// www .intranetsol.com</a>	
Keyfile Corp.	Client-server, Web
-based, clients	
22 Cotton Road	
Nashua, N.H. 03063	
603-883-3800	
<a href="http://www.keyfile.com">http:// www .keyfile.com</a>	
Kofax Image Products Inc.	Client-server
3 Jennifer St.	
Irvine, Calif. 92718	
949-727-1733	
<a href="http://www.kofax.com">http:// www .kofax.com</a>	
Lava Systems Inc.	Client-server
2300 Bloor St. W.	
Toronto, Ont, Can. M8X 271	
416-236-5282	
<a href="http://www.lavasys.com">http:// www .lavasys.com</a>	
Lotus Development Corp.	Web -based clients
55 Cambridge Parkway.	
Cambridge, Mass. 02142	
617-577-8500	
<a href="http://www.lotus.com">http:// www .lotus.com</a>	
MacroSoft Ltd.	Client-server, Web
-based clients	
2523 Product Court	
Rochester Hills, Mich. 48309	
248-853-5353	
<a href="http://www.macrosoft.com">http:// www .macrosoft.com</a>	
Mosaix Inc.	Client-server, Web
-based clients	
1101 Marina Village Parkway	
Alameda, Calif. 94501	
510-337-2000	
<a href="http://www.mosaix.com">http:// www .mosaix.com</a>	
Net -It Software Corp.	Web -based clients
1550 Bryant St.	
San Francisco, Calif. 94103	
415-551-0600	
<a href="http://www.netit.com">http:// www .netit.com</a>	
NetRight Technologies Inc.	Client-server, Web
-based clients	
470 Mercury Drive	
Sunnyvale, Calif. 94086	
408-523-4005	
<a href="http://www.netright.com">http:// www .netright.com</a>	
Novasoft Systems Inc.	Client-server, Web
-based clients	
10 Burlington Mall Road	

Burlington, Mass. 01803 781-685-1533 <a href="http://www.netright.com">http:// www .netright.com</a> Novell Inc.	Client-server, Web
-based clients 1555 N. Technology Way Provo, Utah 84057 801-228-5020 <a href="http://www.novell.com">http:// www .novell.com</a> Open Text Corp.	Client-server, Web
-based clients 185 Columbia St. W. Waterloo, Ont., Can. N2L 5Z5 519-888-7111 <a href="http://www.opentext.com">http:// www .opentext.com</a> Open Text Corp.	Client-server, Web
-based clients 6600 Frantz Road Dublin, Ohio 43016 614-761-8083 <a href="http://www.opentext.com">http:// www .opentext.com</a> Optika Imaging Systems Inc. 5755 Mark Debling Blvd. Colorado Springs, Colo. 80919 719-548-9800 <a href="http://www.optika.com">http:// www .optika.com</a> PC DOCS Inc.	Web -based clients  Client-server, Web
-based clients 25 Burlington Mill Road Burlington, Mass. 01803 617-273-3800 <a href="http://www.pcdocs.com">http:// www .pcdocs.com</a>	
Platinum Technology Inc.	Client-server, Web
-based clients 1815 S. Meyers Road Oakbrook Terrace, Ill. 60181 630-620-5000 <a href="http://www.platinum.com">http:// www .platinum.com</a> Plumtree Software Inc.	Client-server, Web
-based clients 235 Pine St. San Francisco, Calif. 94104 415-263-8900 <a href="http://www.plumtreesoft.com">http:// www .plumtreesoft.com</a> PowerScan Inc.	Client-server
1151A Seven Locks Road Potomac, Md. 20854 301-315-0240 <a href="http://www.pwrscan.com">http:// www .pwrscan.com</a> Radian Systems Inc.	Client-server
5845 Richmond Highway Alexandria, Va. 22303 703-317-2000 <a href="http://www.radsys.com">http:// www .radsys.com</a> Samson Information Technologies LLC 220 E. 42nd St New York, N...	Client-server
...Business Park Westborough, Mass. 01581 508-898-2770 <a href="http://www.accusoft.com">http:// www .accusoft.com</a> ...	Integrates into existing document management systems
9339 Carroll Park Drive San Diego, Calif. 92121 619-629-300	sites and apps

[http:// www .altris.com](http://www.altris.com)

Cardiff Software Inc.  
1782 La Costa Meadows Dr.  
forms and exports  
San Marcos, Calif. 92069  
760-752-5200  
[http:// www .cardiffsw.com](http://www.cardiffsw.com)

Develops TIFF graphical images  
from **electronic**  
them to document management  
or imaging systems for data  
integration

Computhink Inc.  
860 Parkview Blvd.

Has document imaging, distribution,  
editing and printing...

...Lombard, Ill. 60148  
630-705-9050  
[http:// www .computhink.com](http://www.computhink.com)

RAID devices and Zip, Jaz and  
optical drives

Diamond Head Software Inc.  
ion

Does scan, display, print, recognition

1217 Digital  
Drive  
Richardson, Texas 75081

and forms processing for integrating  
core imaging and workflow

972-479-9205  
[http:// www .dhs.com](http://www.dhs.com)  
Document Sciences Corp.  
6333 Greenwich...

technologies with third-party  
document management systems  
Does design and production; has

...San Diego, Calif. 92122  
619-625-2000  
[http:// www .docscience.com](http://www.docscience.com)  
Documentum Inc.  
clients, image and  
5671 Gibraltar Drive  
Pleasanton, Calif. 94588  
510-463-6300  
[http:// www .documentum.com](http://www.documentum.com)

cycles for creating and formatting  
complex documents

Supports **Web**

document viewing, workflow,  
annotation, image enhancement  
and OCR

Eastman Software Inc.  
600 Technology Drive

Works with Microsoft Exchange  
to create managed documents,

Billerica, Mass. 01821  
978-967-8000  
[http:// www .eastmansoftware.com](http://www.eastmansoftware.com)

which are stored as Exchange  
messages

FileNet Corp.  
3565 Harbor Blvd.  
Costa Mesa, Calif. 92626  
714-966-3400  
[http:// www .filenet.com](http://www.filenet.com)

Allows document access from any  
PC and enables document-  
centric workflow processes

Framework Technologies Corp.  
23 Third Ave.  
, has viewing tool for reading  
Burlington, Mass. 01803  
781-270-6554  
<http://www.frametech.com>

Automates file publishing to the  
**Web**

220 file types, uses Microsoft  
Sitebuilder for searches and  
standard **Web** browsers

Group 1 Software Inc.  
4200 Parliament Ave.

Handles high-volume, high-speed  
printing at...

...Md. 20706

statements, creates documents

301-731-2300  
[http:// www .g1.com](http://www.g1.com)  
Intertech Information Management Inc. Lets users view and annotate  
400 Perimeter Center Terrace

directly Doc 1 or imports them  
as. RTF files  
more than 350 document types

Atlanta, Ga. 30346 770-804-8080 <a href="http://www.intertech.com">http:// www .intertech.com</a> IntraNet Solutions Inc. 9625 W. 76th St. Eden Prairie, Minn. 55344 612-903-2000 <a href="http://www.intranetsol.com">http:// www .intranetsol.com</a> Keyfile Corp. -based documents,	Manages collections of shared documents on Web sites or intranets
22 Cotton Road Nashua, N.H. 03063	Tracks Web automates workflow processes, does version control, has some
603-883-3800 <a href="http://www.keyfile.com">http:// www .keyfile.com</a> all file types Kofax Image Products Inc. 3 Jennifer St.	security features, works with virtually Integrates imaging and workflow apps...
...any optical jukebox look like a	
949-727-1733 <a href="http://www.kofax.com">http:// www .kofax.com</a> Lava Systems Inc. 2300 Bloor...	standard magnetic drive on the network Lets any host app running in a
...Can. M8X 271 416-236-5282 <a href="http://www.lavasys.com">http:// www .lavasys.com</a> Lotus Development Corp. 55 Cambridge Parkway.	to and from third-party document management systems Works with Lotus Domino and Notes, supports...
...Cambridge, Mass. 02142	has built-in workflow,
617-577-8500 <a href="http://www.lotus.com">http:// www .lotus.com</a>	archiving, imaging client, scanner support and customizable
MacroSoft Ltd.	extensions for third-party support Enables global...
...Rochester Hills, Mich. 48309	management, has COLD
248-853-5353 <a href="http://www.macrosoft.com">http:// www .macrosoft.com</a>	components and imaging support
Mosaix Inc. 1101 Marina Village Parkway	Has computer telephony features for linking call flows to document
Alameda, Calif. 94501 510-337-2000 <a href="http://www.mosaix.com">http:// www .mosaix.com</a> Net -It Software Corp. publishing and intranet	intensive back-office procedures Does Web
1550 Bryant St. San Francisco, Calif. 94103 415-551-0600 <a href="http://www.netit.com">http:// www .netit.com</a>	document sharing with or without a third-party document management system
NetRight Technologies Inc. 470 Mercury Drive	Has three-tier architecture that supports Windows clients and

Sunnyvale, Calif. 94086  
408-523-4005  
[http:// www .netright.com](http://www.netright.com)  
Novasoft Systems Inc.  
10 Burlington Mall Road  
Burlington, Mass. 01803

781-685-1533  
[http:// www .netright.com](http://www.netright.com)

Novell Inc.  
1555 N. Technology Way  
Provo, Utah 84057  
or  
801-228-5020  
[http:// www .novell.com](http://www.novell.com)  
Open Text Corp.  
185 Columbia St. W.  
Waterloo, Ont., Can. N2L 5Z5  
519-888-7111  
[http:// www .opentext.com](http://www.opentext.com)  
Open Text Corp.  
6600 Frantz Road  
Dublin, Ohio 43016  
614-761-8083  
[http:// www .opentext.com](http://www.opentext.com)  
Optika Imaging Systems Inc.  
5755 Mark Debling Blvd.  
Colorado Springs, Colo. 80919  
719-548-9800  
[http:// www .optika.com](http://www.optika.com)

PC DOCS Inc.  
25 Burlington Mill Road...

...0 thin-client component, DOCS

617-273-3800  
[http:// www .pcdocs.com](http://www.pcdocs.com)

...content usage and  
Oakbrook Terrace, Ill. 60181  
630-620-5000  
[http:// www .platinum.com](http://www.platinum.com)  
Plumtree Software Inc.  
235 Pine St.  
San Francisco, Calif. 94104

document  
415-263-8900  
[http:// www .plumtreesoft.com](http://www.plumtreesoft.com)  
PowerScan Inc.  
1151A Seven Locks Road

...Potomac, Md. 20854  
301-315-0240  
[http:// www .pwrscan.com](http://www.pwrscan.com)  
Radian Systems Inc.

5845 Richmond Highway

Alexandria, Va. 22303  
703-317-2000  
Science scanners

Java-enabled Web browsers

Does document and workflow  
management with JavaBean  
component architecture, Web

content management, applications  
development and visual  
component assembly

Works with Novell GroupWise to  
render documents into HTML  
format for publishing to Web

intranets

Handles workflow and project  
collaboration, has integrated  
search engines

Lets users search, display,  
navigate and manage large,  
complex document collections

Includes document management,  
image management and COLD  
components

Works with CyberDOCS 2.5 browser

imaging 3.7 for scanner support,  
DOCS Binder 1.0 compound  
document manager and  
DOCSOpen 3.7.2 core...

distribution; has testing  
components

Manages data from e-mail,  
databases and Web pages;  
emphasizes intranet

management

Does image management with  
visual quality control...

handles reporting and workflow,  
links with party document  
management systems  
Has image enhancement quality

control, indexing, rework, OCR

and image export capabilities for  
Kodak Digital

http:// <a href="http://www.radsys.com">www .radsys.com</a> Samson ...Corp. 2 Westborough Business Park Westborough, Mass. 01581 508-898-2770	\$5,000 up
http:// <a href="http://www.accusoft.com">www .accusoft.com</a> Altris Software Inc. 9339 Carroll Park Drive San Diego, Calif. 92121 619-629-300	\$16,000 to \$24,000
http:// <a href="http://www.altris.com">www .altris.com</a> Cardiff Software Inc. 1782 La Costa Meadows Dr. San Marcos, Calif. 92069 760-752-5200	\$1,495 to \$4,995
http:// <a href="http://www.cardiffsw.com">www .cardiffsw.com</a> Computhink Inc. 860 Parkview Blvd. Lombard, Ill. 60148 630-705-9050	\$70 1 user \$2,500 5-user network
http:// <a href="http://www.computhink.com">www .computhink.com</a> Diamond Head Software Inc. 1217 Digital Drive Richardson, Texas 75081 972-479-9205	\$1,750
http:// <a href="http://www.dhs.com">www .dhs.com</a> Document Sciences Corp. 6333 Greenwich Drive San Diego, Calif. 92122 619-625-2000	\$50,000 to \$100,000 \$100,013
http:// <a href="http://www.docscience.com">www .docscience.com</a> Documentum Inc. 5671 Gibraltar Drive Pleasanton, Calif. 94588 510-463-6300	\$200 to \$600 per seat
http:// <a href="http://www.documentum.com">www .documentum.com</a> Eastman Software Inc. 600 Technology Drive Billerica, Mass. 01821 978-967-8000	\$149 per seat
http:// <a href="http://www.eastmansoftware.com">www .eastmansoftware.com</a> FileNet Corp. 3565 Harbor Blvd. Costa Mesa, Calif. 92626 714-966-3400	\$300 to \$800 per seat
http:// <a href="http://www.filenet.com">www .filenet.com</a> Framework Technologies Corp. 23 Third Ave. Burlington, Mass. 01803 781-270...	\$9,995
...Inc. 4200 Parliament Ave. Lanham, Md. 20706 301-731-2300	\$95,000 up up
http:// <a href="http://www.gl.com">www .gl.com</a> Intertech Information Management Inc. 400 Perimeter Center Terrace Atlanta, Ga. 30346 770-804-8080	\$210 to \$600 per seat
http:// <a href="http://www.intertech.com">www .intertech.com</a> IntraNet Solutions Inc. 9625 W. 76th St. Eden Prairie, Minn. 55344 612-903-2000	\$17,995 per server
http:// <a href="http://www.intranetsol.com">www .intranetsol.com</a> Keyfile Corp.	\$7,995 per server,

22 Cotton Road Nashua, N.H. 03063 603-883-3800 <a href="http://www.keyfile.com">http:// www .keyfile.com</a> Kofax Image Products Inc. 3 Jennifer St. Irvine, Calif. 92718 949-727-1733 <a href="http://www.kofax.com">http:// www .kofax.com</a> Lava Systems Inc. 2300 Bloor St. W. Toronto, Ont, Can. M8X 271 416-236-5282 <a href="http://www.lavasys.com">http:// www .lavasys.com</a> Lotus Development Corp. 55 Cambridge Parkway. Cambridge, Mass. 02142 617-577-8500 <a href="http://www.lotus.com">http:// www .lotus.com</a> MacroSoft Ltd. 2523 Product Court Rochester Hills, Mich. 48309 248-853-5353 <a href="http://www.macrosoft.com">http:// www .macrosoft.com</a> Mosaix Inc. 1101 Marina Village Parkway Alameda, Calif. 94501 510-337-2000 <a href="http://www.mosaix.com">http:// www .mosaix.com</a> Net -It Software Corp. 1550 Bryant St. San Francisco, Calif. 94103 415-551-0600 <a href="http://www.netit.com">http:// www .netit.com</a> NetRight Technologies Inc. 470 Mercury Drive Sunnyvale, Calif. 94086 408-523-4005 <a href="http://www.netright.com">http:// www .netright.com</a> Novasoft Systems Inc. 10 Burlington Mall Road Burlington, Mass. 01803 781-685-1533 <a href="http://www.netright.com">http:// www .netright.com</a> Novell Inc. 1555 N. Technology Way Provo, Utah 84057 801-228-5020 <a href="http://www.novell.com">http:// www .novell.com</a> Open Text Corp. 185 Columbia St. W. Waterloo, Ont., Can. N2L 5Z5 519-888-7111 <a href="http://www.opentext.com">http:// www .opentext.com</a> Open Text Corp. 6600 Frantz Road Dublin, Ohio 43016 614-761-8083 <a href="http://www.opentext.com">http:// www .opentext.com</a> Optika Imaging Systems Inc. 5755 Mark Debling Blvd. Colorado Springs, Colo. 80919 719-548-9800 <a href="http://www.optika.com">http:// www .optika.com</a> PC DOCS Inc. 25 Burlington Mill Road	\$795 per client  \$2,995 to \$19,995  \$130,000  \$9,500 per server, \$19 per client  \$17,990 up  \$125,000  \$6,995 to \$9,995  \$6,900 per server, \$469 per client  \$100 to \$800 per seat  \$2,495  \$75,000 per server, \$97 per client  \$25,000 up  \$150 up per seat  \$28,000 up
---	--

Burlington, Mass. 01803  
617-273-3800  
[http:// www .pcdocs.com](http://www.pcdocs.com)

Platinum Technology Inc.  
1815 S. Meyers Road  
Oakbrook Terrace, Ill. 60181  
630-620-5000

\$24,000 up

[http:// www .platinum.com](http://www.platinum.com)  
Plumtree Software Inc.

\$50,000

235 Pine St.  
San Francisco, Calif. 94104  
415-263-8900  
[http:// www .plumtreesoft.com](http://www.plumtreesoft.com)

PowerScan Inc.

\$5,000

1151A Seven Locks Road  
Potomac, Md. 20854  
301-315-0240

[http:// www .pwrscan.com](http://www.pwrscan.com)

Radian Systems Inc.  
5845 Richmond Highway  
Alexandria, Va. 22303  
703-317-2000

\$40,000

[http:// www .radsys.com](http://www.radsys.com)

Samson Information Technologies LLC \$1,295 per seat  
220 E. 42nd St  
New...

...SemioMap 2.0

1730 S. Amphlett Blvd.  
San Mateo, Calif. 94402  
650-638-3330  
[htt:// www .semico.com](http://www.semico.com)

Tower Software Corp.

Tower Records and Information  
Management (TRIM) 4.2

10680 Main St.  
Fairfax, Va. 22036  
703-359-4343  
[http:// www .ustrim.com](http://www.ustrim.com)  
Treev Inc.

TREEV 1.0

500 Huntmar Park Drive  
Herndon, Va. 20170  
703-478-2260  
[http:// www .treev.com](http://www.treev.com)  
Tivoli Systems Inc.  
9442 Capital of Texas, Highway N.  
Austin...

TME 10  
Output

...TMSSequoia Inc.

FormFix 2.7

206W. Sixth St.  
Stiliwater, Okla. 74074  
405-377-0880  
[http:// www .tmssequoia.com](http://www.tmssequoia.com)  
Universal Systems Inc.  
14585 Avion Parkway  
Chantilly, Va. 20151  
800-874-2344  
[http:// www .usiva.com](http://www.usiva.com)

ePOWER 1.0

Westbrook Technologies Inc.  
22 Summit Place  
Branford, Conn. 06405  
203-483-6666  
[http:// www .filemagic.com](http://www.filemagic.com)  
Xerox Corp.  
295 Woodcliff Drive

Fortis 1.5

DocuShare  
1.5

Fairport, N.Y. 14450  
716-383-7948  
[http:// www .xerox.com](http://www.xerox.com)

Semico Corp.  
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San Mateo, Calif, 94402  
650-638-3330  
[htt:// www .semico.com](http://www.semico.com)

Intranet text mining

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Fairfax, Va. 22036  
703-359-4343  
[http:// www .ustrim.com](http://www.ustrim.com)

Document management and records archi  
ving

series tracks fokfers registers  
and tracks archive bexes,

Treev Inc.  
500 Huntmar Park Drive  
Herndon, Va. 20170  
703-478-2260  
[http:// www .treev.com](http://www.treev.com)  
Tivoli Systems Inc.  
9442 Capital of Texas, Highway N.  
Austin...

Integrated enterprise document manageme  
nt

Document output management

...com  
TMSSequoia Inc.  
206W. Sixth St.  
Stiliwater, Okla. 74074  
405-377-0880  
[http:// www .tmssequoia.com](http://www.tmssequoia.com)  
Universal Systems Inc.  
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800-874-2344  
[http:// www .usiva.com](http://www.usiva.com)

Forms management

Document  
manageme  
and work  
process  
management

Wesibrook Technologies Inc.  
22 Summit Place  
Branford, Conn. 06405  
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[http:// www .filemagic.com](http://www.filemagic.com)  
Xerox Corp.  
295 Woodcliff Drive  
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Enterprise  
document  
management

Document  
management  
and  
publishing

Semico Corp.  
Web -based  
1730 S. Amphlett Blvd.  
San Mateo, Calif, 94402  
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[htt:// www .semico.com](http://www.semico.com)

NT, Solaries, Unix Client-server,  
clients

Tower Software Corp.  
10680 Main St.  
Fairfax, Va. 22036  
703-359-4343  
[http:// www .ustrim.com](http://www.ustrim.com)

Win9x, NT

Client-server

Treev Inc.  
500 Huntmar Park Drive  
Herndon, Va. 20170

NT, Unix

Client-server,  
Web -based  
clients

703-478-2260  
http:// www .treev.com

Tivoli Systems Inc. 9442 Capital of Texas, Highway N. -based clients Austin, Texas 78759 512-436-8000 http:// tivoli.com	NT, Unix	Client-server, Web
TMSSequoia Inc. 206W. Sixth St. Stiliwater, Okla. 74074 405-377-0880 http:// www .tmssequoia.com	Win9x, NT, Unix	Client-server
Universal Systems Inc. r, 14585 Avion Parkway Chantilly, Va. 20151 800-874-2344 http:// www .usiva.com	Win9x, NT, Mac DS, Unix	Client-serve Web -based clients
Wesibrook Technologies Inc. 22 Summit Place Branford, Conn. 06405 203-483-6666 http:// www .filemagic.com	Win9x, NT	Client-server, Web -based clients
Xerox Corp. 295 Woodcliff Drive Fairport, N.Y. 14450 716-383-7948 http:// www .xerox.com	Win9x, NT, Solaris, Unix	Client-server, Web -based clients
Semico Corp. 00 1730 S. Amphlett Blvd. ...up San Mateo, Calif, 94402 650-638-3330 htt:// www .semico.com	Automatically identifies groups and maps... large quantities of unstructured textual data	\$5,0
Tower Software Corp. \$6,300 10680 Main St. ...up Fairfax, Va. 22036 703-359-4343 http:// www .ustrim.com	Handles record-keeping for registering... documents, manages multiple file series, tracks folders, registers and tracks archive boxes, manages user profiles Has DocuTreev Imaging...	
Treev Inc. ...up Herndon, Va. 20170 703-478-2260 http:// www .treev.com	Treev worldlow component and Omni-Treev document management component	
Tivoli Systems Inc. 11,500... ...ICR features \$3,750 206W. Sixth St. Stiliwater, Okla. 74074	Works with Tlvoli's IME 10	\$ up

405-377-0880  
http:// www .tmssequoia.com

Universal Systems Inc. Is DISA-certified, works with \$2  
0,000  
14585 Avion Parkway...

...20151 and Accelerator workflow server

800-874-2344 components, PC DOCS' DOCS \$  
1,500

http:// www  
.usiva.com

Open and Provenance's ForeMost per 500

for complete access to clients  
document repositories via client  
Web browsers or network servers

Wesibrook Technologies Inc. Is scalable  
\$2,995

22 Summit Place up  
Branford, Conn. 06405  
203-483-6666  
http:// www .filemagic.com

Xerox Corp. Posts and manages collections of \$695  
295 Woodcliff Drive information on...

...Y. 14450 customizable attributes; does \$995 per

716-383-7948 automatic HTML conversions,  
server

http:// www .xerox.com security, reporting and  
document tracking

6/3,K/7 (Item 3 from file: 275)  
DIALOG(R) File 275:Gale Group Computer DB(TM)  
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02213450 SUPPLIER NUMBER: 21081864 (USE FORMAT 7 OR 9 FOR FULL TEXT)  
Knowledge is power.(knowledge management) (Industry Trend or Event)  
Bicknell, David  
Computer Weekly, p18(1)  
August 20, 1998  
ISSN: 0010-4787 LANGUAGE: English RECORD TYPE: Fulltext  
WORD COUNT: 2099 LINE COUNT: 00178

... combine both internal material with suggestions from outside."  
One of Testa's problems in facilitating knowledge management  
within Fiat is the problem that old work practices are difficult to  
eradicate. Testa wants to...

...challenge-oriented and innovative minds in a company to capture it. The  
problem is implementing knowledge management within an organisation,  
and targeting it to give real business benefits.

According to Andy Michuda, chief...failing at knowledge management as  
succeeding". In many cases, companies have had problems because their  
knowledge management efforts aren't integrated with critical business  
processes.

Other reasons include:

\* Losing sight of the business reasons for adopting...

...management application. Not all users are technology literate - they may  
not want to use the Web or intranet . It may be easier just to pick up  
the telephone and talk to someone.

\* Needless...

...in Grenoble, France.

The concept behind Knowledge Broker is that pertinent information gathering on the **Internet** and intranets is complex and time-consuming. What is needed to make the user's...

...of information and knowledge out of raw data.

According to Xerox knowledge brokers are essentially " **software** agents that can **query** multiple databases, re-construct information and generate customised reports, all transparently to the user".

Xerox...

...be used to solve information retrieval problems in any area, including search engines on the **Internet**, where agents will ultimately be able to discover each other and share information. Its real...

...to ease the management of multilingual documents

- \* abolition of cross-lingual and cross-cultural barriers
- \* **digital** libraries
- \* tools to create and use knowledge
- \* studies of work practices
- \* technologies to support distributed, mobile teams

Sites to visit

www .teltech.com  
www .business-intelligence.co.uk  
www .xrce.xerox.com  
www .dataware.com  
www .fulcrum.com  
www .agentware.com

6/3,K/8 (Item 4 from file: 275)

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02201895 SUPPLIER NUMBER: 20945082 (USE FORMAT 7 OR 9 FOR FULL TEXT)

Tandem: At the Heart of DSS Success.(the NonStop series of decision support systems from Compaq's Tandem Div) (Product Information)

DBMS, v11, n9, p4(1)

August, 1998

ISSN: 1041-5173 LANGUAGE: English RECORD TYPE: Fulltext

WORD COUNT: 2599 LINE COUNT: 00219

TEXT:

...packaged applications and integrated solutions; from pure Decision Support applications to Operational Data Stores with **online** updates of your Decision Support system. The platforms for these solutions range from massively parallel...

... and on.

The Compaq approach is to enable end-to-end DSS solutions that encompass **virtually** any popular database management system. In the tiered architectures that characterize so many of today...

...data store applications, especially those that are query-intensive, yet also update your data store **online**. Compaq offers a unique mix of technologies for these kinds of Decision Support applications.

Cross...business users through its Object Relational Data Mining technology. With this technology, primitive operations for **data mining** and **knowledge discovery** are tightly **integrated** into the NonStop SQL database engine. This enables the data mining application to sift through...

...be mined, and results are often more complete because valuable information is not left behind.

Web -Enabled DSS

DSS applications are now being deployed over intranets and the

**Internet** , extending the client/server paradigm into a browser/server paradigm to provide broad-based, low-cost information access to employees, customers, and suppliers.

Compaq is also integrating **Web** access capabilities into its various solutions packages for vertical industry applications to let users evoke **queries** using browser **software** . This enables, for example, telecommunications companies to provide customer access to call records for cost...

...This data was then placed on the Windows NT Server platform running NonStop SQL with **integrated** Object Relational **Data Mining** capabilities. Using a combination of data mining tools, with certain operations taking place within the...parallel Himalaya(r) servers.

In Europe, a major retailer of home improvement products needed a **Web**-based data warehouse for marketing and inventory management. Fierce competition was prompting this company to...

...a group. The demanding criteria for the new system included the ability to perform both **online** transaction processing and DSS queries at the same time. The system also had to be...

6/3,K/9 (Item 5 from file: 275)  
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01936505 SUPPLIER NUMBER: 18236306 (USE FORMAT 7 OR 9 FOR FULL TEXT)  
**Unearthing underground data. (data mining) (Technology Information) (Cover Story)**

Krivda, Cheryl D.

LAN Magazine, v11, n5, p42(5)

May, 1996

DOCUMENT TYPE: Cover Story ISSN: 1069-5621 LANGUAGE: English

RECORD TYPE: Fulltext; Abstract

WORD COUNT: 4265 LINE COUNT: 00347

...ABSTRACT: so parallel processing is vital to successful data mining. Effective systems and network design for **data mining** include careful **integration** of storage and processing systems, understanding the data mining tools market, and assessing the needs...  
... solutions"

Even if they're not yet interested in discovery-based data mining solutions, many **LAN** users do want to mine their data to find the information nugget with maximum bottomline...

...mining-style products and solutions. Before searching the product shelves for data mining offerings, however, **LAN** managers need to consider their hardware platform and their network design.

DESIGN TO MINE

A...

...allows users to generate requests from a workstation; the requests are then sent across the **LAN** (usually in some form of SQL query) to a superserver, which performs the analysis and...

...marts. Breaking up the data in this way can improve data mining performance and allow **LAN** managers to supply the repository with the information needed by specific applications. A field that...

...for Sun Microsystems (Mountain View, CA), "There is no reason why users of a small **LAN** couldn't go after all of the data as needed"

According to Simoudis, IBM's...

...server working through the actual mining process and producing smallish data sets will keep your **LAN** traffic reduced to relatively small and infrequent messages and allow your desktop and local server data mining performance, **LAN** managers must also consider other issues regarding the

management of the congestion that such a...

...not only scalability but more efficient processing. IBM's SP2 machine, also known as the "LAN in a can" uses multiple modular RISC processors connected by a high-speed bridge to...

...of storage solutions, centralized or distributed, can be prohibitive for some organizations. Extremely cost-conscious LAN managers can be scared away by the price tags affixed to the ability to keep...

...Teradata system five years ago is now increasingly being run on Hewlett-Packard, Sun Solaris, Digital Alphas, and Silicon Graphics (workstations)," Love says.

#### PICKS AND SHOVELS

The spectacular growth in the...

...group tools is in three categories:

- \* Tools that provide database access (typically by using a GUI on a SQL query structure)

- \* Tools that produce data reports that can formulate more detailed questions and can "drill..."

...pharmaceutical, and wireless industries. The new products, scheduled for release this summer, are intended to integrate leading-edge data mining capabilities with large-scale data stores, says Paul Buta, product manager for marketing intelligence at...furious."We are seeing a considerable amount of sophistication among tool suppliers in dealing with LAN traffic," says Moran of the Aberdeen Group. "They are learning to build the appropriate multiple..."

...of users banging away, you must be aware of how things are routed around the LAN," he says.

With so much change in the data mining tools market, how can a...

...trapped by tools that are unable to grow with the site's data mining needs.

LAN managers who are selecting data mining tools should also consider the needs-- perceived or otherwise...

...get enough," she says. Faced with the possible "addiction" of network users, how can a LAN manager accurately plan for the growth of a site's data mining applications?

"Assume that..."

...at ceilings, not at floors"

When first considering the addition of data mining capabilities, most LAN managers express an interest in putting historical operational data online. Such data volumes can be...

...be superfluous to the actual data mining application?

Without fail, data mining experts advise at LAN managers to perform a data modeling exercise before diving in head first. The data modeling...

...planned. Rather than throwing 500GB of data into a warehouse and hoping to mine it, LAN managers should hire an experienced consultant to help create a pilot that is one-tenth...a technical journalist who specializes in information systems topics. She can be reached via the Internet at 5309513@mcimail.com.

6/3,K/10 (Item 6 from file: 275)  
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01833060 SUPPLIER NUMBER: 17296091 (USE FORMAT 7 OR 9 FOR FULL TEXT)  
The truth about OLAP. (online analytical processing) (includes a related

article on relational databases and multidimensional modeling, and a table on OLAP products) (Cover Story)

Frank, Maurice

DBMS, v8, n9, p40(6)

August, 1995

DOCUMENT TYPE: Cover Story

ISSN: 1041-5173

LANGUAGE: English

RECORD TYPE: Fulltext; Abstract

WORD COUNT: 4453 LINE COUNT: 00390

The truth about OLAP. ( online analytical processing) (includes a related article on relational databases and multidimensional modeling, and a table...

ABSTRACT: Online analytical processing (OLAP), generically known as multidimensional database analysis, has become a popular industry buzzword

... If so, you won't be able to avoid a relatively new acronym: OLAP, or online analytical processing. In the tradition of a true buzzword, use of the term OLAP has...

...pros and cons of each approach often lead to barroom brawls at conferences and in online forums and vendor literature.

There are several examples of stand-alone front-end query tools... calculations. The engines receive requests from client tools (most vendors provide both server and client software), translate the request into one or more SQL queries, obtain the data from the RDBMS, perform the multidimensional...think is important, and how it should be analyzed. I suspect that vendors will eventually incorporate intelligent data mining techniques into OLAP products. This will enable the analytical engines to search for patterns and...is DBMS's technical editor, based in Marietta, Georgia. You can reach him via the Internet at mfrank@mfi.com or CompuServe at 72167,736.

#### RELATIONAL DATABASES AND MULTIDIMENSIONAL MODELING

Ever...be very difficult for a user to remember which tables to use for a particular query. However, new software tools shield users from having to know the physical data structures. These tools require a...

6/3/K/11 (Item 7 from file: 275)

DIALOG(R)File 275:Gale Group Computer DB(TM)

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01804827 SUPPLIER NUMBER: 17155740 (USE FORMAT 7 OR 9 FOR FULL TEXT)  
Tools and utilities.(1995 Database Buyer's Guide and client/server sourcebook) (Buyers Guide)

DBMS, v8, n6, p72(29)

May 15, 1995

DOCUMENT TYPE: Buyers Guide

ISSN: 1041-5173

LANGUAGE: English

RECORD TYPE: Fulltext; Abstract

WORD COUNT: 45154 LINE COUNT: 03869

... testing, which eliminates the risks associated with manual multiuser application testing through centralized control of online client applications in realistic multiuser sessions. A virtual -users feature ends resource restrictions by replacing the test operators and running independent test scripts...order in which items print. Can include standard DataBoss help information. Can also create an online, searchable manual. Builds text files that can be formatted with a word processor or desktop...

...to a PC in .dbf, ASCII, or .wkl formats. Multiple document interface, icon toolbar and online help included. PC-Workbench version: \$3500; LAN version: \$4500. Reader service #584.

RFFLow 3

RFF Electronics, Loveland, CO

303-663-5767

A...and-click creation of test-plan trees. Task allocation and resource scheduling, test-execution management, **online** data analysis, concurrent test-cycle management, customizable-test repository, and bug tracking are additional benefits...

...tables from the resulting statistics. Supported on HP 9000/HP-UX, Sun Solaris, IBM AIX, **Digital** VAX, and Alpha running Open VMS. Reader service #595.

Vermont NighTest 2.0

Vermont Creative...For Turbo Pascal Windows and Borland C++. \$199. Reader service #606.

DECAdmire for Visual Basic

**Digital** Equipment Corp., Littleton, MA  
800-344-4825

A Windows-based development environment enabling the design...reusable procedures, pick lists, security, screen blanking, automatic record numbering, report management, printed manual, tutorials, **online** help, and sample applications. Extensive help files integrated with client/server help and end-user...

...using wIntegrate as a Windows-based Visual Basic DLL; enhanced networking support (including PicLan and **Digital** Pathworks); international language ...and team-wide levels; user passwords and permissions; and read-only and lockout modes. Offers **online** access to an integrated data-dictionary repository, rules, and extensive reporting. For forward-schema generation...Adabas/Predict to enable interoperability in a heterogeneous environment. SE/Repository is a multiuser LAN/ WAN -based repository server for SE. Designed to facilitate multiple workgroups, it provides concurrent access to...contain system-provided values such as date and time, and presentation information and microhelp for **online** display. Lets users define business rules, such as referential-integrity constraints and complex validation rules...PowerBuilder Interface, new Uniface bidirectional interface support, and enhancements to its repository customization capabilities. The **LAN** version lets multiple users on a Novell network access project information, which resides in the...

...compiling data from diverse sources into single or multiple databases: mainframe data, text-based reports, **Internet** information downloads, product listings, or phone-system logs. Handles data in columnar, record-per-page...

...formats, with output to native format files and appending to existing database and spreadsheet files. **Online** demo available on CompuServe (CompuServe: GO SPALDING, Lib 2, filename: diwtd.zip). Reader service #669  
...the target database and populates it with all or part of the source data. Allows **online** backup or duplication of database table and column schemas on active systems, and automates the...

...from development and quality control to production. Reader service #673.

DEC Data Distributor 6.1

**Digital** Equipment Corp., Nashua, NH  
603-884-7777; 800-344-4825

Manages the automated distribution of...

...transfer through asynchronous dial-up to protocol converters, bisynchronous and SDLC emulators, coax boards, and **LAN** gateways all with complete data transmission integrity. Data and programs can be shared among PC...

...moving data from MVS sources -- DB2, IMS, VSAM, and sequential files -- to PC, Unix-, and **LAN** -based servers, including DB2/2, DB2/6000, Sybase and Microsoft SQL Server, and Oracle. Helps...Eventus Software Inc., San Bruno, CA

415-871-0700; 800-871-4871

A Windows-based **online** monitoring and diagnostics tool for Oracle databases. Monitors a remote Oracle database running on any platform using Oracle's SQL\* Net as the communication link. Lets users monitor

information from a high level (such as user...

...software platforms, data compression, data encryption, dump stripping, complete backup automation, simplified recovery through an **online** backup history, media tracking, recovery verification, and integration with file-...improving performance, and providing data security. Backups are automated with cold and full or partial **online** and off-line backups, archive log-backup management, export direct to tape, dynamic reconfiguration, **online** backup history, and a menu-driven configuration. Improves backup performance with parallel input and output...

...Windows, users achieve cooperative processing by down-loading the DB2 catalog on a workstation or **LAN**. DB-Delivery for Windows frees DBAs from constant reliance on a TSO interface to the...

...and Oracle7 under SPX and popular versions of TCP, and for DB2/2 under IBM **LAN**. Windows client software from database vendor required for this Visual Basic tool. Includes a memory...

...modules also produce SQL-based statistics and size calculations. Database view manager also supports browsing. **GUI**-based ad hoc **query** translates query design into SQL, runs and prints queries, and views subsets of **query**. Includes a spreadsheet **GUI** for simple row inserts/updates/delete. Database drivers for Oracle 6 and 7 under SPX and popular versions of TCP, and DB2/2 under IBM **LAN**. Windows client software from database vendor required for this Visual Basic tool. Comes with memory...

...a 16-bit application), and Windows NT (as a 16-bit application). Requires Oracle SQL\* **Net**, \$495 per workstation; multiple and site licenses are available. Reader service #714.

DBProfiler SQL Inspector...occupancy, alerts when a dependent region is swapped out, IMS shutdown in progress, stopped OLDS, **online** change in progress, and so on. Resource and contention analysis. DB2 support includes thread creation/termination and syncpoint processing. **Online** and batch historical analysis, response times for transactions, and recommendations. OmegaCenter integration for a complete...

...security, including security management, user administration, systems monitoring/intrusion detection, user identification and authentication, secure **electronic** messaging, and automated-file migration. Has a cross-platform, client/server architecture made up of...

...databases. Requires Windows 3.0 or later. Prices range from \$995 (one-user/two-server **LAN** pack) to \$6995 (10-user/15-server **LAN** pack); \$340 per server (25-100 servers) to \$220 per server (755 or more servers... simultaneously. Requires Windows 3.0 or later. Prices range from \$995 (one-user/two-server **LAN** Pack) to \$5495 (five-user/15-server **LAN** Pack); \$340 per server (25-100 servers) to \$220 per server (755 or more servers... are set up, scheduled, and run logically and efficiently. Output is managed though features including **online** viewing, abort logic, distribution lists, and timed-output retention. Reader service #750.

Tivoli Management Environment...

...manages and monitors Oracle databases. With its X Windows or character-based interface, it provides **online** monitoring, alerting, history storage, and reporting. Uses thresholds and alerts to ensure optimal performance and...444-4018; 800-962-8245

Provides mainframe-class storage management options for NetWare environments. Provides **virtual** expansion of network storage, reducing storage costs on networks by as much as 40 percent...

...records to determine offsets, and lists the first 512 records containing bad bytes. Incorporates interactive **online** help. \$59.95. Reader service #758.

ShowBack

Showpage Software Inc., Minneapolis, MN

612-595-9690...or multiuser engine supporting an unlimited number of concurrent users on any dedicated NetBIOS-compatible LAN . \$595. Reader service #767.

Raima Database Manager  
Raima Corp., Issaquah, WA  
206-557-0200; 800...

...display ranked results lists and view documents with search-term highlighting. Includes debugging facilities, searchable **online** documentation, and **online** help. Incorporates two industry standards: Visual Basic and ODBC. Features include SearchServer API for Visual Basic, **online** documentation and viewer, and Visual Basic support libraries for SearchServer. Formats and displays query result...in a single window. Allows for import of TWAIN-compliant devices such as scanners and **digital** cameras directly into FoxPro for Windows. Additional features include Graphic Image Command Set for developers...

...DIB driver allows for calling of Windows GDI functions to draw to a bitmap. Includes **virtual** memory, which supports unlimited image sizes and number of loads. Reader service #779.

Sunshow Professional...

...can scale, flip, rotate, sharpen, and smooth images; adjust contrast, brightness, and gamma; and display **virtual** images with scrolling, zooming, and panning capabilities. Lets users add or display text with images...for Windows that lets users create commercial-quality documents and then convert them to Windows **online** help automatically. \$349 Reader service #789.

Expert Help Hypertext System 3.0  
E H SofSolutions...

...it is planned for Unix/Motif. Offered as an add-on to Bristol's HyperHelp **online** help products. The Unix version has identical functionality to the Windows version, letting authors create...

...the help system, run the Windows help compiler, and call Winhelp.exe. Converts manuals to **online** help. Supports multimedia elements such as sound clips (.wav), Microsoft Video for Windows files (.avi)...

...Reader service #793.

HyperHelp 4.0  
Bristol Technology Inc., Ridgefield, CT  
203-438-6969

An **online** help facility for Motif, OpenLook, and character-based applications. Lets users add context-sensitive help to their applications via an **online** function call. Help authors can create documents containing hyperlinks, pop-up definitions, graphics, keyword searching...extracting .zip files, a sample interface DLL for use from database languages, and hardcopy and **online** documentation. DynaZIP NT provides similar capability for 32-bit Windows NT programs. Designed for developers...

...mode. Other features include object-oriented data-entry and text-editor systems; 6.2MB of **online** documentation; Microsoft-compatible object file librarian; reference utility; symbol renamer; and deltafile batch program. Supports...as a Message-Management tool, query-by-example extensions, calendars, and calculators. Includes source code, **online** help, sample application, tutorial, and reference manual. No runtime royalties. Requires PowerBuilder. \$395 per developer...of any DOS or host program without its consent and builds a Windows-version of **virtually** any DOS or host application by creating a front end using the Windows application of...or more applications work cooperatively toward a single task. Creates a client/server platform where **virtually** any type of application (DOS, Windows, and 16- and 32-bit) can be a client...Professional Publisher 3.5

InfoAccess Inc., Bellevue, WA  
206-747-3203; 800-344-9737

An **electronic** publication development and distribution system that

includes a set of tools to manage high-volume...

...image handling, and custom-scripting options. Includes a bundled runtime license that lets users distribute **electronic** publications to an unlimited number of users without additional cost. Reader service #860.  
Visual Forms...

...SQL, Oracle, Rdb, SQL/DS, Sybase, Teradata, and UniSQL. Connectivity support includes Contain Toolbox, Ingres/ **Net** , SQL\* **Net** , Open Client, Teradata CLI, DAL, SequeLink, MDI Gateway, EDA/SQL, TCP/IP, and asynchronous. Reader...Standards Group Ltd., Boca Raton, FL  
407-997-5880

A data communication tool, providing graphical **query** and graphical **display** . Includes integrated business charting and a report writer. Using a patented data selection process, it...

...Office Edition also supports ODBC data access. Personal Edition: \$99; Office Edition: \$319; five-user **LAN** Pack (Office Edition functionality): \$895. Reader service #869..

dbQuick  
Alpha Software Corp., Burlington, MA  
617...under Windows; interfaces with dBASE, Paradox, DB2, Oracle, Sybase, SQL Server, SQLBase, and ASCII. \$290; **LAN** version prices start at \$690. Reader service #877.

IDEA PreView  
IDEA Corp., Billerica, MA  
508...

...interfaces with dBASE, Paradox, DB2, Oracle, Sybase, SQL Server, SQLBase, and ASCII. PC version: \$1900; **LAN** version pricing is available. Reader service #879.

Impromptu  
Cognos Inc., Ottawa, Ontario, CANADA  
617-229...

...in version of the 32-bit Watcom SQL database engine. \$249. Reader service #881.

Intelligent **Query**  
IQ **Software** Corp., Norcross, GA  
404-446-8880

A database-independent query and reporting tool that lets...systems, and help systems. Includes an example application, data dictionary, customizable vocabulary dictionary, rule-based **pattern - recognition** engine **embedded** in an ATN parser, complete linguistic disambiguation system, spelling checker, and SQL and generic ISAM...to convert queries and report formats between the mainframe and the PC, thus providing PC/ **LAN** users with mainframe data and vice versa. Automatically generates SQL, based on users' point-and...

...and editing tool for Sybase and Microsoft SQL Server databases. Employs a point-and-click **GUI** , simplifying the **query** process by letting users build multitable, multidatabase queries without coding complex SQL commands. Requires Windows 3.0 or later. Prices start at \$195 (one-user **LAN** pack) to \$1755 (15-user **LAN** pack); \$80 per user (25-500 users) to \$50 per user (510 and more users)...tool for report development, testing, and training in a client/server environment, or as an **online** tool with XDB-Link for real-time production of queries and reports from mainframe DB2 ...

...representative sample of the mainframe database may be downloaded to the DB2 Server on a **LAN** or to an individual PC. Report objects such as queries, report forms, and procedures are...

...mainframe to run against DB2 data. When configured with XDB-Link, it works as an **online** tool to access mainframe DB2 data directly from a PC, or it can store report...Designed to support both IS professionals and end users. Gives users access to data located **virtually** anywhere in the

enterprise, and then lets users combine extracted data with other data, reduce...

...footers. Exports report data as Wordstar, WordPerfect, or Microsoft Word mail-merge formats. Includes an **online** context-sensitive help system. Network version available. \$295 and up. Reader service #912.  
Front & Center...

...found in several data sources, including Oracle, Microsoft and Sybase SQL Server, Gupta SQLBase, Rdb, **Digital** RMS, and Thompson Software Products' RP/Server and ODB/Server gateways to DB2. Reader service...

...7613

A report writer for CA-Clipper that provides English ad hoc querying, context-specific **online** help, simple descriptions attached to fields, and data dictionaries. Outputs to printer, text file, form...and WYSIWYG-based, using drag-and-drop, point-and-click, and cut-and-paste tools. **GUI** -based ad hoc **query** formulates and edits SQL transparently. Page styling with watermark, patterns, logos, and color gradient offered...

...with DB2/2 and Oracle drivers, memory manager, presentation driver for SPX, TCP, and IBM **LAN** . Templates and sample projects included. Supports laser and deskjet printers. Client/server edition: \$299. Reader...

...phone lists, labels, form letters, reference materials, and corporate annual reports. Reader service #917.

Intelligent **Query**

IQ **Software** Corp., Norcross, GA  
404-446-8880; 800-458-0386

A decision-support tool that provides...royalty-free distribution supporting three application program interfaces (.vbx, DLL, or .exe). Single-user, multiuser **LAN** packs, and site licensing are available. Reader service #924.

r-tree Report Generator  
FairCom Corp...

...in text form can be modified. Also features the ability to define any number of **virtual** fields, sort by any number of work or data fields, use any number of nested...

...for reports. Works with DOS or mainframe word-processing files, spreadsheets, accounting packages, database packages, **electronic** mail, and ASCII or OCR sources. Features include intuitive marking for periodic reports, expanded graphics...DB2, Informix, dBASE, Rdb, VSAM, IMS, and others via middleware connections such as ODBC, SQL\* **Net** , EDA/SQL, and MDI Database Gateway. Allows reuse of existing report templates and also provides...

...or above. Also features a compiler-independent VM system to access up to 64MB of **virtual** memory. Offers compatibility with the DPMI, VCPI, and XMS specifications, allowing protected-mode programs to...external programs. Supports Paradox 4.5 or 5.0 for Windows. Single user: \$149; additional **LAN** users: \$120. Reader service #947.

OutFox 2.92 and OutFoxPro 1.30  
Hilco Software, Sebastopol...

...Versions available for Paradox 4.5 or 5.0 for Windows. Single user: \$49; additional **LAN** users: \$30 each; runtime license: \$150. Reader service #954.

TrueGridPro  
Apex Software Corp., Pittsburgh, PA...

6/3,K/12 (Item 1 from file: 621)  
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01714961 Supplier Number: 53026375 (USE FORMAT 7 FOR FULLTEXT)  
Acuity Broadens Web -based Customer Interaction Options With WebCenter Express.  
PR Newswire, p8802  
Sept 28, 1998  
Language: English Record Type: Fulltext  
Document Type: Newswire; Trade  
Word Count: 1089

(USE FORMAT 7 FOR FULLTEXT)

Acuity Broadens Web -based Customer Interaction Options With WebCenter Express.

TEXT:

Cost-effective Customer Service for Ecommerce and Online Support  
AUSTIN, Texas, Sept. 28 /PRNewswire/ -- Acuity, the leading provider of Web -based customer relationship management solutions, today announced WebCenter Express(TM), an application that enables Web -centric businesses to improve ecommerce results and reduce customer service costs. The software integrates self...

...implement system, allowing a broad range of organizations to offer effective customer service via the Web.

WebCenter Express provides customers with self-service options through a searchable, browsable threaded discussion engine...

...market-leading text conferencing and browser screen synchronization capabilities. Customers access a WebCenter Express-enabled Web site from a standard browser, without downloading and installing additional software. The product provides a...

...follows Acuity's June release of WebCenter Enterprise(TM) and expands Acuity's suite of Web -based customer interaction applications.

Additionally, Acuity announced new strategic alliances with INTERSHOP, Hewlett-Packard Company...

...organizations including artuframe.com, the world's largest art and framing supergallery, and New Hope Online at the Crystal Cathedral, an online counseling center, have already licensed WebCenter Express.

"A wider range of businesses can now exploit the benefits of the Web to connect directly with their customers," noted Dean Cruse, vice president of marketing for Acuity. "Our solutions increase the value of the Web experience for the consumer and directly impact bottom line results through increased sales. WebCenter Express...

...customer support and ecommerce initiatives. According to Forrester Research, 67% of browsers who fill up virtual shopping carts online abandon their efforts before buying. Acuity solutions specifically address companies' efforts to improve this "browse-to-buy" ratio. With WebCenter Express, businesses can now provide live, Web -based sales assistance directly to customers engaged in product research, catalog browsing, and final order...

...the purchase process. WebCenter Express can also help companies increase their average sales prices through online cross-selling and up-selling activities, providing a competitive advantage in the battle for ecommerce

...path to live help, as needed. Consumers or corporate representatives can search for answers to routine questions, post queries and comments, and review information in online threaded discussions. According to Forrester Research, Web -based self-service solutions can decrease cost per customer contact by up to 43%. If needed, users can request live assistance without having to abandon a Web site, a crucial option for companies focused on maintaining loyal customer relationships.

In either a...

...Express is built on the Acuity Real-Time Enterprise(TM) (RTE) platform, a proven, stable, Web -based architecture for maintaining live Internet

communication sessions. RTE technology has been licensed by over 2,000 organizations and has demonstrated...

...Express can be upgraded to WebCenter Enterprise. WebCenter Enterprise offers automated email routing and response; **integration** with customer information systems, **knowledge management** applications and computer-telephony **integration** (CTI) software; a complete WebACD(TM) that provides robust, customizable routing of IP-based live...

...over-IP and telephony callback options.

Broad Customer and Partner Support for WebCenter Express

Leading **Web**-centric organizations have already licensed WebCenter Express. artuframe.com, the world's largest art and framing supergallery, and New Hope **Online** at the Crystal Cathedral, an **online** counseling center, utilize WebCenter Express to more efficiently sell to and support their customers.

"artuframe...

...business model is based on providing customized services in conjunction with high quality art products- **online**," stated William Lederer, artuframe.com president. "Acuity WebCenter Express enables us to provide a live service representative **online** to answer any questions that may arise during our customers' purchase process. We expect to...

...with INTERSHOP, a leading provider of ecommerce solutions; HP, a leading global provider of computing, **Internet** and **intranet** solutions and services; and Verio, a leading hosting-centric ISP. The INTERSHOP agreement is a...

...has joined the HP Covision program, a comprehensive initiative to bring together best-of-breed **Internet** application and channel companies. Verio, which currently hosts 65 of Acuity's customers, will provide...

...With WebCenter, customers now have the option to receive real-time, live assistance during their **online** shopping efforts. We expect WebCenter's interactive technology to help our customers significantly increase browse  
...Corporation

Founded as ichat in 1995, Acuity Corporation is the leading provider of real-time, **Web**-based communication solutions. Acuity's multitier, client/server software is used by more than 2,000 organizations to conduct ecommerce and provide **online** customer support and service. Acuity has received over \$20 million in private equity funding and...

...be reached at 512-425-2200, toll free at 888-242-8669, or via the **Web** at <http://www.acuity.com>.

(C) 1998 Acuity Corporation. WebCenter Enterprise, WebCenter Express, WebACD, Real-Time Enterprise, are...

PRODUCT NAMES: 7372680 ( **Internet** Software)

6/3,K/13 (Item 2 from file: 621)

DIALOG(R) File 621:Gale Group New Prod.Annou.(R)

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01688618 Supplier Number: 50227068 (USE FORMAT 7 FOR FULLTEXT)  
SAS Institute Debuts Enterprise Miner Software On Sun Microsystem's Solaris.

Business Wire, p08051322

August 5, 1998

Language: English Record Type: Fulltext

Article Type: Article

Document Type: Newswire; Trade

Word Count: 1041

... quantitative professionals, who must collaborate for successful data mining.

Distributing data mining results on the **Web**

Enterprise Miner software provides companies with the means not only to find the answers they...

...this context, the Institute's market leading analytic strengths complement Sun's leadership in providing **Web** technologies.

About SAS Institute

Now in its 22nd year, SAS Institute is one of the...

...that information in an open and efficient data warehouse structure. To explore that information, SAS **software** includes OLAP, **query** and reporting, EIS, data mining, analysis, data visualization, and application-development interfaces. SAS software is client/server and **Web** enabled. SAS Institute also delivers business solutions that are complete packages for financial consolidation and...

...decades as a recognized leader in data-analysis R&D. SAS Institute consultants offer an **integrated data - mining** solution that builds on an end-to-end data-warehouse infrastructure. Consultants provide tools and ...

...step SEMMA approach for understanding large quantities of corporate data.

Please visit SAS Institute's **Web** site: [http:// www .sas.com](http://www.sas.com)

Sun, the Sun logo, Sun Microsystems, Java, Solaris, and The Network Is The...

...CONTACT: SAS Institute Inc.

Editorial Contacts:

Beverly Stockstill or Pamela Meek, 919/677-8000

[http:// www .sas.com/newsroom](http://www.sas.com/newsroom)

or

Sun Microsystems, Inc.

Christine Holland, 650/786-4174

[christine.holland@sun...](mailto:christine.holland@sun...)

6/3,K/14 (Item 3 from file: 621)

DIALOG(R) File 621:Gale Group New Prod:Annou.(R)

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01684920 Supplier Number: 50210495 (USE FORMAT 7 FOR FULLTEXT)

**Enterprise Miner Software Rated No. 1 For Second Year.**

Business Wire, p07291523

July 29, 1998

Language: English Record Type: Fulltext

Article Type: Article

Document Type: Newswire; Trade

Word Count: 827

... data mining and other decision-support activities, in many organizations. SAS Institute is the only **data mining** software vendor to provide **integrated data mining** and data warehousing capabilities.

IT analysts at the META Group also recognize the value of...

...that information in an open and efficient data warehouse structure. To explore that information, SAS **software** includes OLAP, **query** and reporting, EIS, data mining, analysis, data visualization, and application-development interfaces. SAS software is client/server and **Web** enabled. SAS Institute also delivers business solutions that are complete packages for financial consolidation and...

...business, government, and university sites in more than 120 countries.

Please visit SAS Institute's **Web** site: [http:// www .sas.com](http://www.sas.com)

SAS is a registered trademark and Enterprise Miner and Warehouse Administrator are trademarks...

...respective companies.

CONTACT: SAS Institute Inc.

Beverly Stockstill or Pamela Meek, 919/677-8000  
[http:// www .sas.com/newsroom](http://www.sas.com/newsroom)

6/3,K/15 (Item 4 from file: 621)

DIALOG(R)File 621:Gale Group New Prod.Annou.(R)

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01669065 Supplier Number: 50127423 (USE FORMAT 7 FOR FULLTEXT)  
**SAS Institute Announces Enterprise Miner Software for UNIX Platforms.**  
Business Wire, p06291343  
June 29, 1998  
Language: English Record Type: Fulltext  
Article Type: Article  
Document Type: Newswire; Trade  
Word Count: 913

(USE FORMAT 7 FOR FULLTEXT)

TEXT:

...Packard Company's HP-UX in July, IBM's AIX in August, and Compaq's Digital UNIX during fourth quarter.

... To register for the seminar, titled "Data Mining for the Financial Services Industry," visit [http:// www .sas.com/hp](http://www.sas.com/hp). The Software will also be on display in July at the National...

...for addressing their business problems.

For IT, Enterprise Miner software offers the most complete and **integrated data - mining** solution, accessing all corporate data and implementing a proven data-mining method. The result: organizations...  
...decades as a recognized leader in data-analysis R&D. SAS Institute consultants offer an **integrated data - mining** solution that builds on an end-to-end data-warehouse infrastructure. Consultants provide tools and  
...

...that information in an open and efficient data warehouse structure. To explore that information, SAS **software** includes OLAP, **query** and reporting, EIS, data mining, analysis, data visualization, and application-development interfaces. SAS software is client/server and **Web** enabled.

SAS Institute also delivers business solutions that are complete packages for financial consolidation and...

...business, government, and university sites in more than 120 countries.

Please visit SAS Institute's **Web** site: [http:// www .sas.com](http://www.sas.com). SAS is a registered trademark and Enterprise Miner and SAS/Warehouse Administrator are...

...respective companies.

CONTACT: SAS Institute Inc.

Beverly Stockstill or Pamela Meek, 919/677-8000  
[http:// www .sas.com/newsroom](http://www.sas.com/newsroom)

NAICS CODES: 51121 (Software Publishers); 334111 ( **Electronic** Computer Manufacturing)

6/3,K/16 (Item 5 from file: 621)

DIALOG(R)File 621:Gale Group New Prod.Annou.(R)

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01645356 Supplier Number: 48454802 (USE FORMAT 7 FOR FULLTEXT)  
**SAS Institute Enlists Premier Partners to Deliver Custom CRM Solutions.**  
Business Wire, p04301393

April 30, 1998

Language: English Record Type: Fulltext

Document Type: Newswire; Trade

Word Count: 786

... quarter 1997 between SAS Institute and Exchange Applications in Boston. The two companies plan to **integrate** SAS Institute's **data - mining** software, Enterprise Miner(TM) software, with ValEX, a campaign-management product from Exchange Applications. The...

...that information in an open and efficient data warehouse structure. To explore that information, SAS **software** includes OLAP, **query** and reporting, EIS, data mining, analysis, data visualization, and application-development interfaces. SAS software is client/server and **Web** enabled. SAS Institute also delivers business solutions that are complete packages for financial consolidation and...

...business, government, and university sites in more than 120 countries.

Please visit SAS Institute's **Web** site: [http:// www .sas.com](http://www.sas.com). SAS is a registered trademark and Enterprise Miner is a trademark of SAS...

...respective companies.

CONTACT: SAS Institute Inc.

Beverly Stockstill or Pamela Meek, 919/677-8000

[http:// www .sas.com/newsroom](http://www.sas.com/newsroom)

6/3,K/17 (Item 6 from file: 621)

DIALOG(R)File 621:Gale Group New Prod.Annou.(R)

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01645228 Supplier Number: 48454672 (USE FORMAT 7 FOR FULLTEXT)

Introducing common ground for business decision makers, analysts and IT -

**SAS Institute's Enterprise Miner software goes production.**

Business Wire, p04301378

April 30, 1998

Language: English Record Type: Fulltext

Document Type: Newswire; Trade

Word Count: 888

(USE FORMAT 7 FOR FULLTEXT)

TEXT:

...users - business analysts, quantitative professionals, and IT - and is the first to address the entire **data mining** process within one automated solution. It offers the widest range of algorithms in a single package - decision...

... for addressing their business problem.

For IT, Enterprise Miner software offers the most complete and **integrated data - mining** solution, accessing all corporate data and implementing a proven data-mining method. The result: organizations...

...that information in an open and efficient data warehouse structure. To explore that information, SAS **software** includes OLAP, **query** and reporting, EIS, data mining, analysis, data visualization, and application-development interfaces. SAS software is client/server and **Web** enabled.

SAS Institute also delivers business solutions that are complete packages for financial consolidation and...

...business, government, and university sites in more than 120 countries.

Please visit SAS Institute's **Web** site: [http:// www .sas.com](http://www.sas.com) SAS is a registered trademark and Enterprise Miner is a trademark of SAS...

...respective companies.

CONTACT: SAS Institute Inc.

Beverly Stockstill or Pamela Meek, 919/677-8000  
[http:// www .sas.com](http://www.sas.com)

6/3,K/18 (Item 7 from file: 621)

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01630948 Supplier Number: 48397710 (USE FORMAT 7 FOR FULLTEXT)

Data Warehousing/Data Mining Leaders NCR and SAS Institute Join to Sponsor  
Eight-City Seminar Series

PR Newswire, p0401CLW016

April 1, 1998

Language: English Record Type: Fulltext

Document Type: Newswire; Trade

Word Count: 1130

... Attendees will hear from data warehouse pioneers like Bill Inmon,  
and learn about the latest **integrated** data warehousing and **data mining**  
solutions from SAS Institute and our partners NCR and Intel."

Added Mark Hurd, vice president...

...on the solid foundation of a data warehouse using the Teradata database,  
companies can add **integrated data mining** applications from our  
partner SAS Institute and take advantage of processor technology from  
Intel. In...

...8899 (in the U.S.) or 800-397-9744 (in Canada) or register on the Web  
at: [www .kivaproductions.com/seminars](http://www.kivaproductions.com/seminars)

Business Value of Data Warehousing and Data Mining  
Through data warehousing, business...

...that information in an open and efficient data warehouse structure. To  
explore that information, SAS **software** includes OLAP, **query** and  
reporting, EIS, data mining, analysis, data visualization, and  
application-development interfaces. Currently, SAS software...products.  
More information on NCR and its products can be found on the World Wide  
Web at: [http:// www .ncr.com](http://www.ncr.com)

SAS is a registered trademark of SAS Institute Inc., Cary, NC, USA.  
NCR...

...or Elizabeth Berglund of Edelman Worldwide, for NCR, 212-704-4527, or  
[eberglun@edelman.com/](mailto:eberglun@edelman.com)

/ Web site: [http:// www .ncr.com/](http://www.ncr.com/)  
/ Web site: [www .kivaproductions.com/](http://www.kivaproductions.com/)  
(NCR)

CO: NCR Corporation; SAS Institute Inc.

ST: Ohio

IN: CPR

SU:

MG-JS

-- CLW016 --

7527 04/01/98 12:14 EST [http:// www .prnewswire.com](http://www.prnewswire.com)

6/3,K/19 (Item 8 from file: 621)

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01577093 Supplier Number: 48029766 (USE FORMAT 7 FOR FULLTEXT)

NCR and SAS Institute Worldwide Alliance to Deliver Integrated Suite of  
Data Warehouse/Mining Solutions.

Business Wire, p10061521

Oct 6, 1997

Language: English Record Type: Fulltext

Document Type: Newswire; Trade

Word Count: 1365

... And, customer benefit is what this alliance is all about."

NCR and SAS Institute will **integrate** SAS data management software and **data mining**, data extraction and transformation tools into NCR's data warehouse solutions, to enhance the value...

...NCR's lead integrated software tools partner; -- SAS Institute professional services will participate in NCR **data mining** projects; -- **Integrated** sales and support for both companies' products; -- NCR and SAS will participate in joint marketing...

...Data Warehousing/Data Mart consulting, Business/Information Discovery, Logical and Physical Database design, Transformation, System **Integration**, **Knowledge Discovery** and Model Development, **Data Mining** and Analytical Application, and Project Management. -0- NCR & SAS Company Background Information:

About SAS Institute...

...that information in an open and efficient data warehouse structure. To explore that information, SAS **software** includes OLAP, **query** and reporting, EIS, data mining, analysis, data visualization, and application-development interfaces. SAS software is client-server and **Web** enabled. SAS Institute also delivers business solutions that are complete packages for financial consolidation and...

...000 business, government, and university sites in more than 120 countries. Visit the SAS Institute **Web** site at: [www.sas.com](http://www.sas.com).

About NCR Data Warehousing Solutions

For almost two decades, companies around the world...being enhanced to support complex data types and user-defined objects. Visit the NCR Teradata **web** site at <http://www.teradata.com>

About NCR

NCR (NYSE:NCR) is the leader in delivering commercial open computer...

...employees in more than 130 countries. More information about NCR can be found at: <http://www.ncr.com> -0-

Note to Editors: SAS is a registered trademark of SAS Institute Inc...

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or

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[www.sas.com](http://www.sas.com)

6/3,K/20 (Item 9 from file: 621)

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01569057 Supplier Number: 47969717 (USE FORMAT 7 FOR FULLTEXT)

Sun, Deloitte & Touche, SAS Institute Introduce Growth Solution.

Business Wire, p9100030

Sept 10, 1997

Language: English Record Type: Fulltext

Document Type: Newswire; Trade

Word Count: 1259

... and managing growth strategies and tactics.

The Growth Solution provides an integrated technology platform that

incorporates consulting services, data warehousing, data mining and decision support capabilities, Java(tm)-based Web technologies and systems integration.

"The successful retail bank of the future has to understand, based...

#### ....Channels

The Growth Solution ties every transaction, regardless of delivery channel (including ATMs, kiosks and web-based home banking) to an account, allowing financial services organizations to easily determine which customers...

...curves that allow a retail bank to prioritize investments in alternative channels without missing opportunities.

#### Web-Based Solutions

The Growth Solution framework provides for a Web-based data warehouse, providing remote access to important customer information. The data warehouse, for example...

...remote workstations can extract data and special reports via Java requests sent over the corporate intranet.

Additionally, companies can integrate the Growth Solution with the World Wide Web to connect to Deloitte Consulting's research website for studies, reports and hotlinks to financial...

...hardware, software and services for establishing enterprise-wide intranets and expanding the power of the Internet. With more than \$8.5 billion in annual revenues, Sun can be found in more than 150 countries and on the World Wide Web at [www.sun.com](http://www.sun.com)

#### About SAS Institute

Now in its 21st year, SAS Institute is one of...that information in an open and efficient data warehouse structure. To explore that information, SAS software includes OLAP, query and reporting, EIS, data mining, analysis, data visualization, and application-development interfaces. SAS software is client/server and Web enabled.

SAS Institute also delivers business solutions that are complete packages for financial consolidation and...

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(404) 220-1453  
[www.dttus.com](http://www.dttus.com)

-or-

Sun Microsystems, Inc.  
David Bailey  
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NAICS CODES: 334111 (Electronic Computer Manufacturing)

6/3,K/21 (Item 10 from file: 621)  
DIALOG(R)File 621:Gale Group New Prod.Annou.(R)  
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01517389 Supplier Number: 47290452 (USE FORMAT 7 FOR FULLTEXT)  
Nestor Acquires Cyberiad Software; Internet Tools for On-Line Commerce  
PR Newswire, p0411NYF009  
April 11, 1997  
Language: English Record Type: Fulltext  
Document Type: Newswire; Trade  
Word Count: 551

(USE FORMAT 7 FOR FULLTEXT)

**Nestor Acquires Cyberiad Software; Internet Tools for On-Line Commerce**  
TEXT:

...Nestor, Inc. common stock. Cyberiad Software is a maker of advanced text retrieval tools for **Internet** and **intranet** applications. Cyberiad Software has been making and marketing intelligent text search and analysis software for the office productivity and **intranet** marketplace for the past 18 months. Its product line, CyberFTS is a tool designed to...

Cyberiad Software represents a strategic fit for Nestor's InterSite **electronic** marketing solution," said David Fox, Nestor's President and CEO. "InterSite links a client company's **online** and off-line data by mining legacy sources of transaction and demographic information as well...

...has developed industry-leading expertise in the analysis and recognition of full-text messages in **Internet** / **intranet** commerce," said Jeffrey Pflum, Vice President and principal architect of Cyberiad Software. "This is a key technology for understanding the needs and goals of members of the **online** community. Nestor is the leading provider of intelligent data-mining solutions and we believe that with Cyberiad's technology Nestor will be able to provide new solutions to the **Web** marketplace."

Dr. Fox added, "We are particularly pleased that Jeff Pflum has joined our new Nestor Interactive subsidiary to implement our flagship product, InterSite. Jeff's broad experience in **Internet** applications and tools complements Nestor's pattern-recognition expertise."

Nestor's InterSite analyzes a company...

...segments best matched to its available product and service offerings. Visitors to the company's **Web** site are then offered content which matches their profile. InterSite captures **Web** activity and trains Nestor's neural network market models dynamically, as the client relationship develops. InterSite supports anonymous guest and subscription visitors to a company's **Web** site.

Any future **inquires** related to Cyberiad Software Inc., or its products, should be directed to Nestor, Inc. at 401-331-9640. Information previously found at the Cyberiad Software **Web** site, <http://www.cyberiadsoft.com>, will be transitioned to the Nestor, Inc. **Web** site, <http://www.nestor.com>.

Nestor, Inc., headquartered in Providence, R.I. is a leading provider of intelligent decision-support solutions for the financial services industry. Nestor's client/server products **incorporate** innovative **pattern** - **recognition** technologies ideally suited for data-intensive, mission-critical decision applications in real-time environments. The...

...credit, debit, retail and corporate card fraud, as well as merchant fraud; database marketing; and **Internet** customer support applications. Nestor's patented technology is also being applied to intelligent decision applications...

...traffic management and intelligent character recognition. More information can be obtained via the company's **Web** site.

SOURCE Nestor Interactive, Inc.

-0-

4/11/97

/CONTACT: Judy Sweeney or K.C...

...CPR MLM

SU: TNM

DO-AK

-- NYF009 --

8709 04/11/97 09:22 EDT <http://www.prnewswire.com>

PRODUCT NAMES: 7372680 ( **Internet** Software); 7372703 (Computer Systems Analysis (Contract))

6/3,K/22 (Item 11 from file: 621)  
DIALOG(R)File 621:Gale Group New Prod.Annou.(R)  
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01410653 Supplier Number: 46582214 (USE FORMAT 7 FOR FULLTEXT)  
**Business Objects Reports Second Quarter Results; Restates First Quarter.**  
Business Wire, p07300262  
July 30, 1996  
Language: English Record Type: Fulltext  
Document Type: Newswire; Trade  
Word Count: 1827

... 61% compared to revenues of \$13.6 million for the quarter ended June 30, 1995. **Net** income for the second quarter was \$1.9 million compared to \$1.5 million for...

...quarter revenues were \$18.8 million compared to the \$20.2 million previously reported. Restated **net** income was \$1.8 million and restated earnings per ADS were \$0.10, compared to previously reported first quarter **net** income of \$2.5 million and earnings per ADS of \$0.15.  
All per ADS...

...We launched an Open Data Mining Initiative, becoming the first decision support tools vendor to **integrate** a wide range of **data mining** solutions with our product offering. Partners in the initiative include ANGROSS Software, DataMind, IBM, ISoft, RIS, SGI, and SPSS.

-- **Internet** . BusinessObjects 4.0 will be enabled for the **Internet** , allowing customers to perform database and data warehousing publishing via the World Wide **Web** .

-- Starter kit for SAP R/3. Business Objects will provide a starter kit for SAP...

...to-use query tool even easier.' Key competitive differentiators noted were overall ease of use, **internet** -ready reporting, and complete OLAP capabilities.

"In addition, Computergram, a UK-based newsletter, recently reported ...

...period ended March 31, 1996.

Business Objects is the world's leading supplier of integrated **query** , reporting, and OLAP **software** tools. The company's flagship product, BusinessObjects, provides mainstream business users with access to information...

...Informix, Microsoft, Oracle, PeopleSoft, Prism, Red Brick, SAP, Sun, and Sybase. Strategic resellers include Bull, **Digital** , Fujitsu, ...Toshiba, and Unisys.

More information on Business Objects can be found on the World Wide **Web** at [http:// www .businessobjects.com](http://www.businessobjects.com). -0-

Business Objects S.A.  
Condensed Consolidated Statements Of Operations  
(In thousands, except...

...31,855	19,561				
Income from operations	2,415	1,562	4,572	3,111	
<b>Net</b> interest income and other	629	635	1,262	916	
Income before provision for income taxes...					
...5,834	4,027				
Provision for income taxes	(1,126)	(725)	(2,164)	(1,330)	
<b>Net</b> income	\$ 1,918	\$ 1,472	\$ 3,670	\$ 2,697	
<b>Net</b> income per share & ADS	\$ 0.11	\$ 0.09	\$ 0.21	\$ 0.16	

Shares & ADS's used in  
calculation of **net** income  
per share & ADS

17,271      16,698      17,081      16,696

Business Objects S...

...a)

Assets

Current assets:

Cash and short-term investments	\$40,803	\$46,702
Accounts receivable, <b>net</b>	21,341	17,174
Other current assets	3,006	2,793
Total current assets	65,150	66,669

Property and equipment, <b>net</b>	8,070	3,961
Deposits and other	581	383
Total assets	\$73,801	\$71,013...

...14,715      14,885      9,034

Income from operations	2,158	3,319	1,548
<b>Net</b> interest income and other	632	632	282
Income before provision for income taxes	2,790	3,951	1,830
Provision for income taxes	(1,038)	(1,468)	(605)
<b>Net</b> income	1,752	2,483	1,225

<b>Net</b> income per share and ADS	\$0.10	\$0.15	\$0.07
Shares & ADS's used in calculation of <b>net</b> income per share & ADS	17,012	17,012	16,698

Business Objects S.A.

Condensed...

...Current assets:

Cash and short-term investments	\$51,389	\$51,389	\$46,702
Accounts receivable, <b>net</b>	13,578	15,202	17,174
Other current assets	3,089	3,089	2,793
Total current assets	68,056	69,680	66,669

Property and equipment, <b>net</b>	5,096	5,096	3,961
Deposits and other	561	561	383
Total assets	\$73...		